Study of Fuel Leaks Associated with Outdoor Ground-Supported Gasoline-Powered Equipment

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*This report was prepared by CPSC staff and it has not been reviewed or approved by, and may not necessarily reflect the views of, the Commission.

EXECUTIVE SUMMARY

U.S. Consumer Product Safety Commission ("CPSC") staff has become aware, through incident reports, in-depth investigations ("IDIs"), and recalls, of incidents involving gasoline fuel leakages from outdoor ground-supported gasoline-powered equipment ("OGSGPE"). This product category is comprised predominantly of riding lawn mowers (also referred to as lawn tractors), push lawn mowers, portable generators, and snowblowers (also referred to as snowthrowers). There are other products, such as rototillers, outdoor vacuums (ground-supported type), and power/pressure washers.

Fuel leaks from OGSGPE pose fire hazards. The American National Standards Institute ("ANSI") and Outdoor Power Equipment Institute ("OPEI") standard, ANSI/OPEI B71.10 – *Standard for Ground Supported Outdoor Power Equipment – Gasoline Fuel Systems,* is the voluntary industry standard that relates to the fuel leakage hazard for these products. Concerned that the current industry voluntary standard may not be sufficient to address this fire hazard, staff began a project in fiscal year 2014, to study fuel leaks associated with OGSPGPE. This report details the findings of the study, including identification of potentially insufficient portions of the current voluntary standard, and provides recommendations for additional research to help improve the voluntary standard.

Staff reviewed ANSI/OPEI B71.10-2013 and related standards, such as the snowmobile fuel tank standard. Thereafter, staff reviewed incident reports, IDIs and CPSC recall data to understand the scope and potential causes of the problem. Finally, staff performed testing on a limited number of fuel tank assemblies.

Despite requirements in ANSI/OPEI B71.10, staff found sources of fuel leaks (*e.g.*, fuel tanks leaking due to splits, stress cracks, tank seam gaps) that were a recurring hazard pattern over a 14-year span (2000 to 2013). In addition, staff found other sources of fuel leaks, including fuel hoses cracking, fuel hoses separating, and fuel vent grommets not sealing properly. Staff concluded portions of ANSI/OPEI B71.10 are not sufficient to address fuel leaks associated with outdoor ground-supported gasoline-powered equipment. Specifically, ANSI/OPEI B71.10 does not have test procedures to evaluate directly the structural integrity of certain fuel system components, such as fuel filters and fuel vent grommets that have caused fuel leaks.

ACRONYMS AND ABBREVIATIONS

The following is a list of acronyms and abbreviations cited in this report.

ANSI	American National Standards Institute
ASTM	American Society of Testing and Materials, International
B175.1	Standard for Outdoor Power Equipment – Internal Combustion Engine-Powered Hand-Held Chain Saws – Safety and Environmental Requirements
B175.3	Standard for Outdoor Power Equipment – Internal Combustion Engine–Powered Hand-Held Grass Trimmers and Brushcutters – Safety and Environmental Requirements
B71.3	Standard for Snow Throwers – Safety Specifications
B71.10	Standard for Off-Road Ground-Supported Outdoor Power Equipment – Gasoline Fuel Systems – Performance Specifications and Test Procedures
CFR	Code of Federal Regulations
CPSC	US Consumer Product Safety Commission
CPSRMS	Consumer Product Safety Risk Management System
E10	Fuel blend containing 90% gasoline and 10% ethanol
EC	Directorate for Economic Analysis
EP	Directorate for Epidemiology
ES	Directorate for Engineering Sciences
EXHR	Office of Hazard Identification and Reduction
F852	Standard Specification for Portable Gasoline Containers for Consumer Use
IDI	In-Depth Investigation
in	Inch
IPII	Injury or Potential Injury Incident
J288	Snowmobile Fuel Tank Standard
kg	Kilogram
lb	Pound
LS	Directorate for Laboratory Sciences
LSM	Laboratory Sciences – Mechanical Engineering Division
m	Meter
mm	Millimeter
NEISS	National Electronic Injury Surveillance System
NPTEC	CPSC National Product Testing and Evaluation Center
OGSGPE	Outdoor Ground Supported Gasoline Powered Equipment
OPEI	Outdoor Power Equipment Institute
psi	Pounds per square inch
s	Seconds
SAE	Society of Automotive Engineers

TABLE OF CONTENTS

BACKGROUND

PURPOSE

Fuel leaks from outdoor ground-supported gasoline-powered equipment ("OGSGPE") pose fire hazards. Fuel leaks can occur when the structural integrity of the fuel system components (*e.g.*, fuel tanks, fuel filters, hoses, vent valve grommets) are compromised, either by design and/or errors in manufacturing or under in-use conditions. Although an industry standard, American National Standards Institute/Outdoor Power Equipment Institute ("ANSI"/"OPEI") B71.10 *Standard for Ground Supported Outdoor Power Equipment - Gasoline Fuel Systems* addresses this issue, U.S. Consumer Product Safety Commission ("CPSC") staff continues to receive reports of fuel leak incidents for products within the scope of ANSI/OPEI B71.10, and CPSC continues to issue product recalls.

The OGSGPE are comprised predominantly of riding lawn mowers (also referred to as lawn tractors), push lawn mowers, portable generators, and snow blowers (also referred to as snow throwers). There are other products, such as rototillers, ground-supported outdoor vacuums, and power/pressure washers.

There were approximately 1.7 million recalled OGSGPEs from 2000 to 2013.[1] Annually, there are, on average, 120,000 units recalled due to fuel leaks associated with OGSGPE fuel system components. Even after the introduction of ANSI/OPEI B71.10 in 2008, CPSC has recalled more than 400,000 units from 2009 to 2013.

In fiscal year ("FY") 2014, staff examined OGSGPE incidents, recalls, current industry standards, and identified fuel system components susceptible to leaking fuel. In addition, staff tested fuel tank assemblies to the stated ANSI/OPEI standard and tested the units to other related standards.

SCOPE

The scope of this study is limited to fuel leaks associated with OGSGPE fuel systems. The fuel system is composed of the fuel tank, hoses, fuel filters, fuel caps, and grommets. These components are generally regarded as "passive" components. However, certain components, such as fuel pumps and carburetors, are not included in the study. Although it is not uncommon to have fuel leaks associated with carburetors, carburetor leaks comprise a distinctly separate topic. While the ANSI/OPEI B71.10 standard does not state the reasons for excluding carburetor fuel leaks from its scope, staff surmises that the issue may be inherent in the engine design, and not due to the outboard fuel system components. In addition, the OGSGPE covered in this study have gasoline-powered engines with a 1-liter or less displacement installed, to be consistent with the scope of ANSI/OPEI B71.10-2013. Handheld equipment, such as grass trimmers and chainsaws are excluded from the scope of this study.

[1] These figures are based on Engineering Sciences staff's analysis.

LETTERS TO THE ANSI/OPEI B71.10 TECHNICAL COMMITTEE

Before initiating this project in FY 2014, staff sent letters[2] to the ANSI/OPEI B71.10 technical committee expressing concern that the standard might be inadequate because of the substantial numbers of recalled OGSGPE products.

In those letters, staff recommended performance tests that were not in the ANSI/OPEI B71.10 standard, including extreme temperature soak, drop impact, and mechanical vibration stress testing. Some of those tests, which are explored in this study, are detailed in the test data and discussion section of this report.

DISCLAIMER

Certain trade names (*e.g.*, Fluke®, National Instruments®, Chatillon®) or company products are mentioned throughout this report to specify adequately the experimental equipment used. In no case does such identification imply recommendation or endorsement by staff; nor does mention of these trade names imply that the equipment is the best available for the purpose.

INCIDENT DATA

INJURY OR POTENTIAL INJURY INCIDENT

An Injury or Potential Injury Incident ("IPII") file contains data from reports of deaths and injuries or potential injuries associated with consumer products (Division of Hazard and Injury Data Systems, 1997). The incidents mentioned in the IPII reports are associated with, although not necessarily caused by, these products. The data in the IPII reports are extracted from letters, telephone calls, news clippings and reports received from various sources, such as individual consumers or consumer groups, coroners, medical examiners, and state/local officials, among other sources.

The IPII files do not represent statistical samples of consumer product-related incidents. However, these incidents constitute an important source for identifying imminent hazards and emerging hazards. In addition, IPII records are a source of identifying cases for follow-up investigations on products of interest.

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[2]Letter sent to Kathy Woods of OPEI from Han Lim of CPSC staff, March 19, 2013. Internet source: http://www.cpsc.gov/Global/Regulations-Laws-and-Standards/Voluntary-Standards/Draft-Voluntary-Standards-Proposals/opeiletter031913.pdf

Letter sent to Kathy Woods of OPEI from Han Lim of CPSC staff, August 24, 2012.

Letter sent to James McNew of OPEI from Susan Bathalon of CPSC staff, June 14, 2007, Internet source: http://www.cpsc.gov//PageFiles/117840/ansi61407.pdf

Letter sent to James McNew of OPEI from Susan Bathalon of CPSC staff, November 8, 2006, Internet source: http://www.cpsc.gov//PageFiles/117837/ansi11806.pdf

Engineering Sciences staff analyzed a list of IPII records pertaining to fuel leaks. Staff of the Directorate for Epidemiology provided Engineering Sciences staff a data transfer of IPII/CPSMRS (Consumer Product Safety Risk Management System) records spanning from 1995 to 2014 that contained the following combination of search words:

gas	fire	leak	fuel	flam	explo	puddle	crack	spray

These general terms or fragments of terms were used to maximize the number of search records and to account for issues of spelling variation. Additionally, product codes were not used to help maximize the number of search records. Among the total number of records, large portions of those records were not related to OGSGPE. Any record containing the words listed above was part of the captured set. This meant that gas range, furnace, and water heater, records were not included.[3]

Appendices B through G contain the narrative summaries for the IPII fuel leak incidents, grouped by the common product categories of snowblowers, generators, and lawn mowers [push and riding types]. Those groups are further divided by what component potentially caused the fuel leak, either a fuel hose or fuel tank. Staff did not perform any statistical analyses on these reports because:

- There were some incidents that hinted a specific component may have caused a fuel leak (those incidents with too much ambiguity were not included).
- Some incidents may have stated that gasoline dripped from the fuel hose, but the leak source may have been a carburetor (out of scope); parsing the data due to various sources may not be accurate and could be ambiguous, rendering any statistical analyses inappropriate.
- For the incidents in Appendices B through G, staff believes it is likely that a particular component, such as the fuel tank or fuel hose, caused a fuel leak because the descriptions mention explicitly a fuel leak from the tank or fuel system component. However, these incidents may not represent an exhaustive list of all IPII records collected by staff.

In some incidents, fires did occur. The report narratives shown in Appendices B through G illustrate the fuel leak problem. Staff found that there were some themes or trends for all of the product types that can be seen from the hose and tank incident data. The fuel hose incidents describe instances of the hose:

- Sliding off,
- Chemically deteriorating, or
- Becoming cut by edges or sharp objects.

Similarly, the tank incidents showed trends where the tank:

- Experienced a stress crack,

[3]The incidents in this report were not reviewed nor approved by the Directorate of Epidemiology. The purpose of this examination is for illustration and for estimating the scope of the fuel leak problem.

- Leaked from a seam in the tank, or
- Developed holes.

NATIONAL ELECTRONIC INJURY SURVEILLANCE SYSTEM REPORTS

Directorate of Epidemiology ("EPI") staff provided data from the NEISS, where injury reports are collected from emergency department treatments. Due to the lack of specificity in these reports, staff did not analyze these data. In the initial review, staff was not certain that injuries were caused by a mower or snowblower fire incident due to a fuel system component leak per se. For example, if a consumer was injured from fire caused by gasoline spilled onto a hot surface, and OGSGPE was nearby, that fire may not have been caused by the OGSGPE.

IN-DEPTH INVESTIGATIONS

Some IPII files may result in IDIs. IDIs are conducted to obtain additional information on an incident. An IDI may include product identification (*e.g.*, model numbers, serial numbers), photographs, product manuals, and interviews with the consumer, a fire marshal, or include a police report that the original IPII report may not have contained.

REVIEW OF SELECT IDI'S

Summaries of selected IDIs shed light on the issue of fuel tanks cracking or splitting, which leads to fuel leaks and poses a fire hazard. Staff's review of these IDIs led to certain fuel tank assemblies being tested in this study. Although there are general observations in each IDI, the actual cause of the failure could not be ascertained, only that a leak occurred and the source of the leak, as described by the complainants.

The following IDI summaries are meant to be illustrative. These summaries present the variety of fuel leak sources: grommet deterioration, fuel tank seam leak, fuel tank holes, fuel tank cracking due to mounting hardware fasteners, and fuel hoses becoming loose.

IDI Review 1: Snowblower

The complainant was using his snowblower on his driveway when it suddenly caught fire and became engulfed in flames. He used a fire extinguisher and called 911. The Fire Department found a 1/8-inch diameter hole in the unit's plastic gas tank.

This IDI was done via telephone on February 12, 2014, because the complainant had returned the incident snowblower to the retailer, and did not photograph it first. The complainant claims he is the only person to have used the snowblower. The incident occurred in the driveway of his home, which is a single-family residence with an attached garage. The incident product is a gasoline-powered 28-inch snowblower, dual-stage type unit. Per the owner's manual, the snowblower has a 3 qt. (0.75 gal) fuel tank. The complainant purchased the snowblower around 2008. The complainant performed annual maintenance. The snowblower received its last annual maintenance and complete inspection in spring 2013, and there were no issues. The unit was last

repaired under extended warranty about 2 weeks before the incident, due to a loose left handle. The snow blower was stored in his garage when not in use.

Around 1 p.m. on 1/18/2014, the complainant began to use the snowblower to clear 4-inch deep snow on his driveway. The complainant set the snowblower on the #2 setting (from a range of power from #1 to #6, slowest to fastest, respectively). After using the snowblower for about 30 minutes and clearing about half of his driveway (approximately 100 square feet), the snowblower caught fire. The flames engulfed the unit, about 3-feet wide, deep, and tall around. He stated that there were no signs or noises to alert him that a problem was about to ensue.

The complainant attempted to extinguish the fire by throwing snow onto the unit. However, the flames were being fanned by the wind. The complainant called 911. The complainant's wife brought a fire extinguisher outside, and the consumer was able to extinguish the fire. In about 15 minutes, the local Fire Department arrived. They verified that the fire was extinguished. Firefighters examined the incident snowblower and located a small hole in the gas tank. The hole was about 1/8-inch wide in diameter. The hole was located at the rear of the unit's gas tank, on the right side. The consumer stated that he did fill the gas tank carefully using a funnel before using the unit that day. Firefighters emptied the remaining gasoline by tilting the snowblower backwards. It is unknown how much gas remained in the gas tank after the incident.

The complainant was surprised that the gas tank did not show any signs of fire damage after the fire incident. The pull cord and starter handle, among other components, melted and sustained fire damage. The Fire Department left the scene at 23 minutes after they arrived. The unit was then stored on the side of the consumer's garage. There were no injuries and no property damage, except for damage to the snowblower. The complainant called the retailer to report the fire incident. On January 19, 2014, the retailer placed a service call to the consumer's home. The technician determined that the snowblower was beyond repair and authorized a replacement. A new snowblower was delivered to the consumer on January 31, 2014. The retailer also collected incident snowblower from the consumer. The complainant suspected that the fire could have possibly occurred because of fuel leaking out of the small tank hole. He noted that the new replacement snow blower has a metal gas tank, not plastic. The complainant was concerned that the snowblower could have exploded. No photographs of the incident snowblower were available.

IDI Review 2: Tiller

The complainant reported that the fuel tank on his 3-year-old power tiller began leaking gasoline from the seam area of the fuel tank. The complainant purchased a replacement fuel tank from the manufacturer. The complainant was interviewed on-site on April 25, 2007. The complainant purchased the tiller to prepare a 4 ft x5 ft area in his yard for a garden. He used the tiller approximately 15 to 20 times and never had any problems. No repairs or modifications were made to the incident tiller. He kept the tiller stored in his garage, but he did not store it for long periods with fuel in the fuel tank. The involved tiller was last used during spring 2006.

The complainant stated that on March 10, 2007, he poured gasoline in the tiller's fuel tank. He went into his home and 10 minutes later, there was a strong odor of gasoline in the garage.

Gasoline was flowing out of the tiller fuel tank's seam area. He stated that he moved the tiller out of the garage and left it in yard. Later, he removed the tank and went to the retailer where he originally purchased the tiller. A new tank was installed.

The incident tiller was equipped with 5.5 HP gasoline engine with 24-inch tine width. Figure 1 shows the tiller and the source of the fuel leak (tank seam).

Figure 1 – Subject Tiller (Left); Fuel Tank leaked gasoline at the seam indicated by red arrow as described by complainant (Right)

IDI Review 3: Push Lawn Mower

This incident involves a push lawn mower that is more than 10 years old, where the fuel tank started to leak fuel, potentially creating a fire hazard. There were no injuries associated with this incident.

The engine is a two-stroke model, where the fuel is composed of an engine oil and gasoline mix. The complainant stated that he performed all the maintenance on the lawn mower from 2007 to 2009. The mower was stored with an empty fuel tank inside a shed during the winter and when not in use. In spring 2009, the complainant started to use the mower again. Once the mower started to leak fuel, the complainant stopped using it.

The product involved was a self-propelled 21-inch model push mower, powered by a 4 HP engine. See Figure 2. The complainant obtained this and another mower from his parents' estate in 2005.

Figure 2 – Subject Push Lawn Mower (Left);
Fuel Leaked from the Tank Seam (Right)

IDI Review 4: Push Lawn Mower

On May 7, 2012, the complainant was interviewed for this IDI via phone due to distance. Complainant bought the incident push lawn mower on May 2, 2007. He stated that he was the only person to use this product.

The complainant began using the incident lawn mower after purchasing it, and he used this mower every year from 2007 to 2011, during the mowing months of May through October. He used the mower once a week for about an hour during each use during the mowing months. The mower was stored in his garage when not in use. From July 2010 to May 2012, the mower was stored outside his garage due to the gasoline fume smell coming from a small leak in the mower. The complainant stated that during November through April, he winterized the mower with a fuel stabilizer to keep the gasoline fresh for 12 months.

During July 2010, the complainant noticed a small puddle of gasoline that had formed on top of the mower's cutting deck near the backside of the mower, right underneath the gas tank. The puddle was due to small vertical crack, about a ½-inch high, on a seam on the back of mower's gas tank. He tried to fix the leak by applying a gasket sealing black tar-like epoxy over the leak/seam. See Figure 3. Although the tar-like epoxy reduced the leak, it never fully fixed the problem because the gas tank continued to have some leaking issues, and it continued to emit gasoline fume smells.

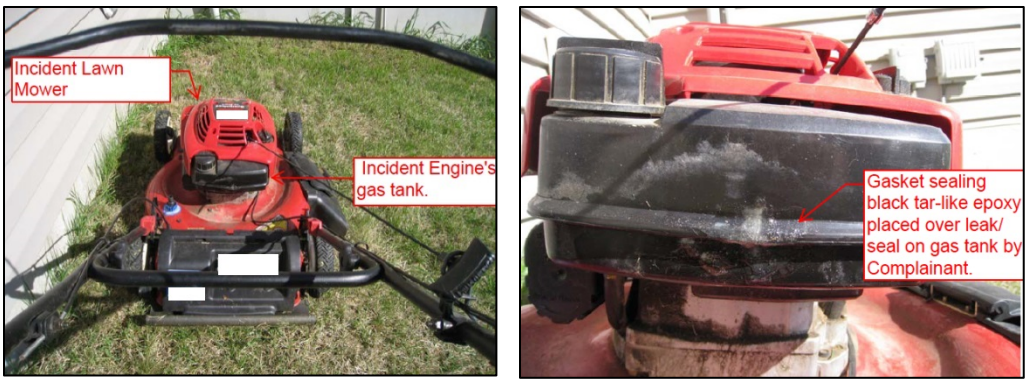

Figure 3 – Subject Push Lawn Mower (Left); Close-Up of Leak Source, Sealed by Complainant (Right)

IDI Review 5: Push Mower

This IDI resulted from an Internet complaint filed on the CPSC website. The complaint involves a gasoline leak from the fuel tank on a walk-behind lawn mower. On June 29, 2010, CPSC obtained the following information from an onsite investigation with the complainant.

The complainant purchased the incident mower in used condition. On April 23, 2010, he stated that the seller told him the mower was used for two summers (2008-2009). The complainant does not know the maintenance history for the mower. The incident mower is a 2007 push lawn mower. He performed basic maintenance on the mower before usage. He cleaned all the grass clippings and dirt from the blade area, changed the oil, changed the air filter, lubricated the wheel gears, and made sure all the cables were tight. In his opinion, the mower is in overall good condition.

On April 30, 2010, he decided to use the mower to cut his backyard. He poured enough fuel in the tank to cover the seam, but does not believe he filled the tank to the maximum capacity. Before he started mowing, he saw gas vapors escaping around the outer seam of the tank and gasoline dripping and pooling onto the mower's deck. The fuel tank has two plastic pieces molded together with a center seam. See Figure 4.

He drained the fuel from the tank and decided to use his older mower to cut his backyard. The incident mower was put in the utility room. He contacted a retailer and ordered a new fuel tank. On May 20, 2010, he purchased a new matching tank. After installing the new tank, he has not noticed any leakage around the new tank's seam. He reports the mower functions properly.

Figure 4 – Subject Mower (Left); Fuel Tank with a Split in the Seam (Right)

IDI Review 6: Push Mower

This IDI was initiated from a consumer complaint regarding cracks that developed in the gas tank of his push lawn mower. The cracks resulted in substantial fuel leaks. The information in this report was obtained from the consumer during an on-site investigation on July 10, 2010. There were no injuries associated with this incident.

The complainant stated that he purchased the lawn mower from a dealer in 2006. The complainant stated that approximately 1 year ago he smelled gas and noticed a crack had developed in the gas tank of the walk-behind lawn mower. The gas tank is made of a hard plastic material. The complainant used a glue product known as JB Weld to fix the crack. The crack did not develop along the seam of the tank, but rather, just above the seam. On June 11, 2010,

another crack developed. Again, the crack did not develop along the seam of the tank, but below the seam of the tank. The tank has a 1-quart (0.25 gallon) capacity. He fixed the crack with JB Weld and it stopped the leak again. See Figure 5.

There were no injuries associated with either crack, which was the cause of the gas leak. The complainant was told by the manufacturer that a new tank could be purchased by the complainant because the mower's warranty had expired.

Figure 5 – Subject Mower (Left); View of Fuel Tank Cracks Repaired by Complainant (Right)

IDI Review 7: Riding Lawn Mower

This IDI was initiated due to a consumer incident report. The fuel tank on a used 2001 gasoline-powered riding lawn tractor started to leak. The complainant claims he has more than 50 years' experience with mowing lawns and is knowledgeable about the mower's operation and safe mowing operations. An on-site investigation was done on July 31, 2013.

The only repair he has made to the lawn tractor was a new brake belt in 2010, and he rebuilt the carburetor in June 2013. The complainant noted that he changed the oil and filter. He stored his mower in his attached garage during the winter and when it is not used.

In June 2013, he smelled gasoline while he was mowing his lawn. On June 15, 2013, he noticed that the fuel tank was dripping because he could see spots on his cement driveway. The complainant noted that the fuel tank has a top portion and a bottom portion. The gas was leaking out in the back right corner area along the seam where the top and bottom meet. See Figure 6.

Figure 6 – Subject Riding Lawn Mower (Left); Source of Fuel Leak from the Fuel Tank Seam (Right)

IDI Review 8: Portable Generator

Fuel leaked from a newly purchased generator from a metal fuel tank. The complainant was interviewed for this IDI on December 16, 2008. As he was fueling a portable gas generator on his driveway near a walkway leading into his residence, the fuel, which is a gasoline-oil mixture, began leaking from the underside of the square-shaped gas tank and onto the outside housing for the generator exhaust. Once he realized the gas tank was leaking, he did not attempt to start the portable generator. This was the very first time he attempted to use this portable generator

When attempting to use the generator, the complainant made sure it was kept a safe distance from his residence. He had no previous knowledge of the potential for the fuel tank of the portable generator to leak. Once the fuel leaked, he left the generator outdoors for approximately 2 days before bringing it back into his garage. He noted there were no unusual events that may have contributed to this incident. The complainant opined that the cause of this leak was due to rusting of the seam for the portable generator. See Figure 7.

The portable generator involved in this incident was originally purchased new on December 14, 2008, and received on December 16, 2008. The only assembly required was attaching a black carrying handle, which the complainant installed by following the manufacturer's instructions. This portable generator was a 1,250-watt generator with a rated power of 800 watts. The generator had a rated voltage of 115V with a no-load speed of 3,000 rpm and a frequency of 60 hz. It was a Phase 1 generator. The DC output had a voltage of 12V and a current rating of 8 amps.

Figure 7 – Subject Portable Generator (Left); Crack in the Fuel Tank Seam, as described by the Complainant (Right)

IDI Review 9: Portable Generator

This IDI was initiated from a complaint from a consumer. The information in this report was obtained during an on-site investigation conducted on October 26, 2011, at the complainant's home. The incident generator was purchased new. The generator was affixed to a wooden stand inside a homemade shed that was attached to the complainant's home. See Figure 8. The exposed brick that can be seen is the brick that makes up the sidewall of the complainant's home.

The complainant mentioned that he ran the generator for a few minutes once every July, regardless of whether it had been used during a power outage. When there was a power outage on August 27, 2011, the complainant filled the fuel tank with 3 gallons of gasoline and left the generator running throughout the night.

The next morning, on August 28, 2011, the complainant refilled the tank. After filling the tank, he noticed a stronger gasoline odor, and he heard liquid dripping and sizzling sounds. Gasoline was leaking near the location of one the bolts. See Figure 8. He siphoned the gasoline out of the tank until the leak stopped.

After the incident occurred, the complainant called the manufacturer. He was told by a representative that his particular generator model was not included in their firm's previous generator recall and he would have to purchase a new tank. The complainant believes that the replacement tank is identical to the current leaky tank. The complainant believes that the portable generator ran for a total of 100 hours before the tank leaked. There were no injuries due to the fuel leak. No previous alterations or repairs had ever been made to the generator.

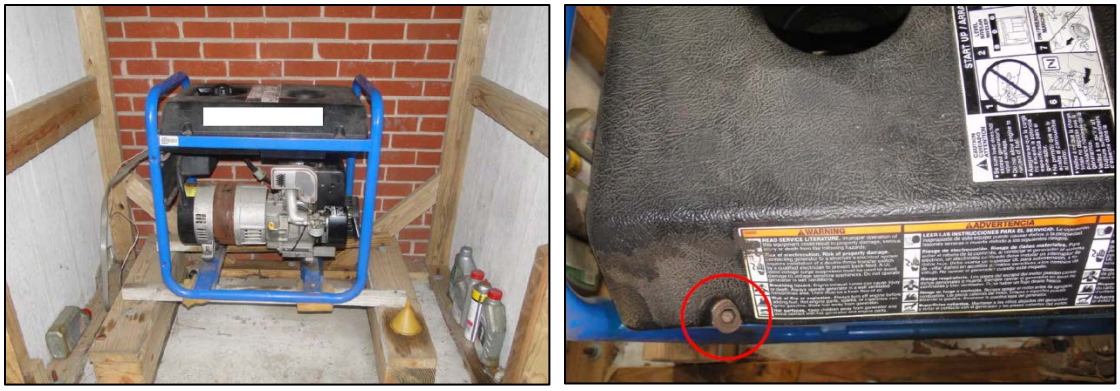

Figure 8 – Subject Portable Generator (Left); Source of Fuel Leak, Near Mounting Bolt, as described by the Complainant and Circled in Red (Right)

IDI Review 10: Portable Generator

This IDI was initiated as follow-up to a consumer complaint. The complainant reported that 10 gallons of gasoline leaked out of a portable generator's fuel tank. The complainant stated that stress cracks were observed around two of the fuel tank's anchor nuts. The gasoline leaked onto an enclosed garage floor.

The complainant's daughter was interviewed during an on-site investigation at the complainant's home. The complainant was not available at the on-site investigation; however, he was interviewed via telephone. The complainant purchased the portable generator new on October 20, 2005, from an online retailer. No modifications, repairs, or alterations were made to the generator other than routine oil changes for ongoing maintenance. The complainant ran the generator every 3 to 4 months and used it during hurricane seasons since 2005, as needed. The complainant stated he has more than 17 years of experience using portable generators.

The complainant's daughter entered the garage and noticed a strong odor of gasoline. She observed a large, dry gasoline stain located near the generator. The garage door was left open for some time so that the gasoline could evaporate. The complainant's daughter informed the complainant of the incident.

There were no injuries, fire, or property damage due to the fuel leak. The complainant was away from his home for about a month and was informed by his daughter of the incident. Upon his return on September 20, 2009, he removed the fuel tank from the generator. There were several stress cracks located around two of the anchor nuts on the bottom side of the fuel tank. He could not estimate how long the tank was leaking because there was no one in the home for a month, and the stain on the garage floor was dry. Figure 9 shows the incident generator and the tank photographs.

Figure 9 – Subject Portable Generator (Left);
Bottom View of the Fuel Tank (Middle);
Stress Cracks from an Anchor Nut Indicated by Red Arrows (Right)

IDI Review 11: Portable Generator

This IDI was initiated as a follow-up to an incident report filed by a consumer. The complainant reported that the plastic fuel tank to his portable power generator was leaking gas. An on-site investigation was done at the complainant's home on January 27, 2011, and the incident generator and its fuel tank were examined.

The complainant bought a used, gasoline-powered power generator. He said he believes the generator was clean, and looked new. He was told that the generator had been run only a few hours. The fuel cap is located on the top of the gas tank, and the petcock outlet valve is located on the bottom side of the fuel tank. The consumer purchased this power generator secondhand, and took it home on December 7, 2010. He noticed that gasoline was leaking from the plastic fuel tank as he was moving the generator and placed it in his garage. He unbolted the fuel tank from the metal frame and found several cracks along different areas of the plastic of the fuel tank. Some cracks were along seams, while others were not. One crack was at least 2 inches long. The complainant opined that the fuel tank is defective. The complainant contacted the manufacturer, told them about the cracks in the fuel tank, and asked if it was under recall. The manufacturer was not aware of any problems with this power generator's fuel tank. He was told that it was not part of a recall. He tried to repair the damaged fuel tank by covering the cracks with epoxy. See Figure 10.

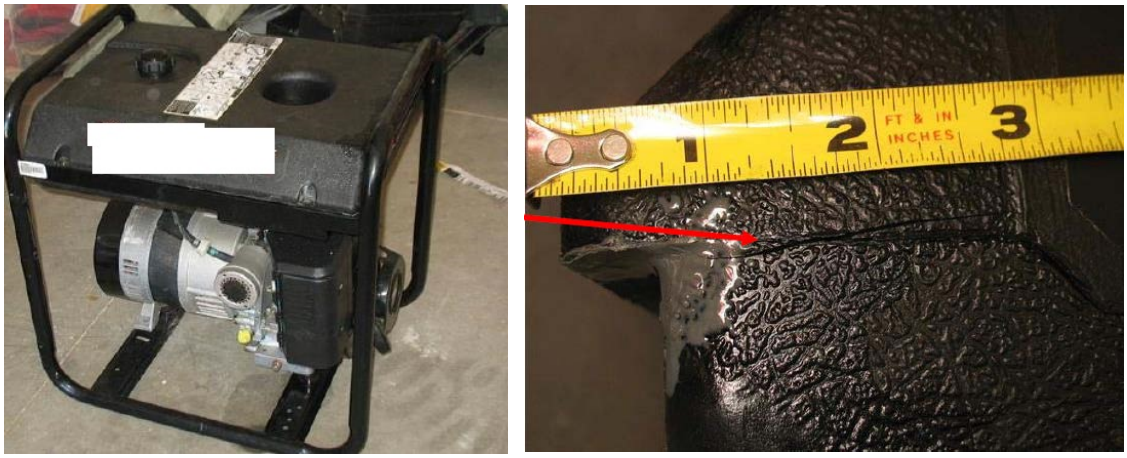

Figure 10 – Subject Portable Generator (Left); Crack in the Fuel Tank where Complainant repaired crack with epoxy (Right)

IDI Review 12: Portable Generator

On April 25, 2009, a complainant reported a fuel leak due to cracked plastic fuel tank of a gasoline-powered portable generator. There were no injuries, fires, or property loss, except for the cracks in the fuel tank. The incident occurred at the consumer's single-family home.

The incident generator was purchased new in January 2005. The generator was stored in the complainant's attached garage. The complainant ran the generator outside the back door of his home. The generator was placed on pavement while operating and protected under an overhang. The complainant recalls the last use of the incident gasoline-powered portable generator was approximately September 2008. The consumer did not have any previous problems with the incident generator. The complainant performed routine maintenance on the portable generator unit by changing the oil after 25 hours of running. There were no repairs or modifications performed on the generator before the incident. All components were original, as purchased.

There were no combustible items near the generator. The complainant powered up the generator to test the engine and burn the out the remainder of the fuel and clean it up before storing it. No appliances were connected to the generator's receptacles. The complainant attempted to shut-off the fuel valve on the portable gasoline-powered generator, when suddenly the valve fell out of the plastic fuel tank, allowing fuel to leak over the hot engine. The consumer grabbed a nearby bucket that was in his garage and put it underneath the tank to catch the draining gasoline. He did not call the fire department because no fire occurred.

After removing the tank once the fuel drained, he discovered several cracks in the fuel tank where the mounting hardware attaches the tank to the generator frame. See Figure 11.

Figure 11 – Subject Portable Generator (Left); Fuel Valve Separated from the Fuel Tank (Middle); and Crack in the Fuel Tank (Right)

IDI Review 13: Portable Generator

This IDI was initiated as a follow-up to an incident report from the complainant. He reported that the plastic tank on his gasoline-powered portable generator leaked fuel. The information for this IDI was obtained from an on-site investigation at the complainant's home on June 4, 2010, and the generator was examined and photographed. The generator was a gift from a friend for the complainant's birthday. This generator was new when the complainant received it from his friend. The incident generator is approximately 36 inches tall, 27 to 28 inches from front to back,

and about 20 inches from side to side. This generator was a 7,500-watt model that can accommodate 240- and 120-volt electrical appliances. The fuel tank had a 7-gallon capacity and was vertical, and made of plastic, approximately 23-inches tall x18½-inches wide x about 4½ to 5-inches thick at the front of the generator. The generator had two wheels for transport.

The complainant said that it was around February 2010 when he decided to try out his generator. He poured about 4 gallons of gas into the fuel tank. After starting the generator, he tried out various appliances to see if the generator would power them up. The appliances that he tried to power up included a power drill, a saw, and an air compressor. The generator powered up all of the items. He ran the generator for about 20 minutes that first day.

The next time he used his generator was May 6, 2010. He attempted to start the generator, but the engine would not turn over. The fuel tank was empty. About 2 or 3 months earlier, he had only used it for about 20 minutes. He refueled the tank only to discover that gasoline was leaking out onto the ground. The complainant removed the bolts that connected the fuel tank to the front of the generator. Gasoline was dripping out of the metal petcock that attached the fuel line to a hole in the back bottom of the fuel tank. As he reached down to check this connection, the fuel hose came completely out of the hole in the fuel tank. He placed the fuel tank on the ground so the fuel would not leak out of the hole. The complainant poured the fuel out of the tank and into a gas can.

The complainant searched the Internet and discovered that the manufacturer recalled several models of its generators after they received 67 reports of the plastic fuel tanks leaking. He noticed that the recalled models did not include his generator. The complainant did not contact the manufacturer of this product, nor did he contact any retailer or importer about this incident. He contacted CPSC and filed an incident report.

The complainant showed that the fuel hose connection from the engine to the plastic fuel tank was located at the back bottom of the fuel tank. The fuel hose from the engine is clamped onto one side of a petcock type connection. There were at least three cracks in the fuel hose and clamp. See Figure 12. These cracks were at least half an inch in length. Because the grommet material deteriorated, the hose connection could not be made to the tank anymore.

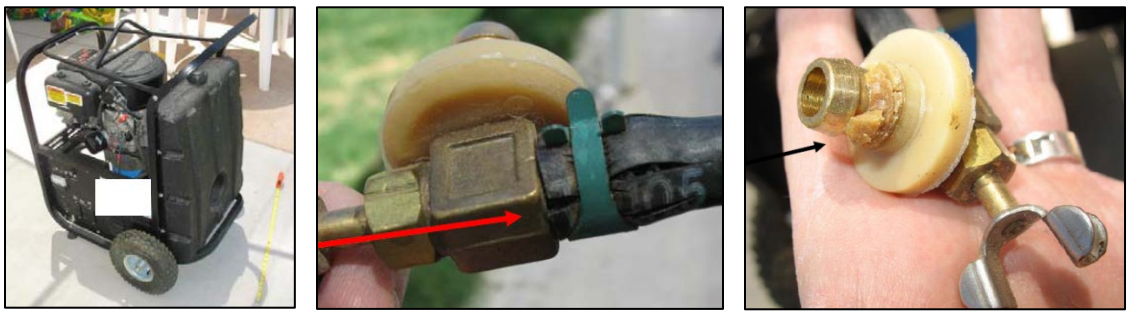

Figure 12 – Subject Portable Generator (Left); Cracks in Fuel Hose (Middle); Grommet Material that has deteriorated (Right)

The complainant used a portable generator to provide electricity to his camper for about 2 hours during a camping trip. The following morning, he found that gasoline had leaked from the fuel lines and the tank was empty. There were no injuries resulting from this incident. Information gathered for this particular IDI was from a July 26, 2010 telephone conversation and subsequent email correspondence. The complainant returned the involved generator to the retailer; therefore, an on-site investigation was not conducted.

On June 28, 2010, the complainant purchased the incident portable generator. He stated that the generator came completely assembled. He also stated that at this time there was no indication of fuel leakage after the first use. There were no modifications, alterations, or repairs made to the involved generator.

When the complainant went camping, he noticed a gasoline odor. When he picked up the generator, he observed that the area underneath the generator had a strong gasoline odor. He then closed the fuel line shut-off valve, placed the generator upon a rubber mat, and went back into the trailer to sleep.

The complainant determined that the small metal fuel line clamps were inadequate and did not fully lock around the rubber hose because they are not round, which allowed fuel to escape at points where the clamp does not make firm contact with the hose. He stated that he repositioned the clamps, but the leaks continued. He purchased new hose clamps and a fuel filter from a local hardware store. The new replacement clamps are different than the original clamps on the generator fuel lines, in that they are tightened via a threaded screw and the original clamps are basic spring clamps. See Figure 13. After replacing eight hose clamps, he put the generator back into service and it functioned adequately over the rest of his camping trip.

The subject generator is 20-inches long x 20-inches wide x 1-inch high, and weighs 31 pounds. The unit contains a 49cc OHV gasoline-powered engine. The unit generates continuous 900 watts of power and a maximum 1,000 watts of power. It is equipped with two 15/20-Amp 120-volt outlets and one 12-volt DC outlet. The fuel tank capacity is 0.71 gallons.

Figure 13 – Subject Portable Generator (Left); Fuel Filter and the Original Hose Clamps/Clips (Right)

IDI Review 15: Portable Generator

When the complainant started his gasoline-powered generator for a test trial, he observed that fuel was dripping from the bottom of the fuel tank onto the motor housing. The rubber grommet that attaches the fuel hose and gas-shut-off valve split, allowing fuel to leak.

The complainant stored the generator in an area underneath his home. The area was paved and had a locking area where he could secure the items inside, similar to a garage. The complainant did not perform any modifications to the generator. Maintenance was performed on the generator, including changing the oil and fuel filter. The spark plugs were not changed. The complainant estimated that the generator had a run time of less than 10 total hours. The complainant stated that he ran the generator every 4 to 6 weeks since he purchased it, and would let the generator warm up for 10 minutes, apply an electrical load for 15 minutes, and then cool down for 10 minutes. The complainant had never had any problems with the unit prior to the incident.

On July 19, 2008, the complainant moved the generator outdoors to run his periodic test. The complainant noticed fuel dripping down directly onto the motor housing arcing and sparking. The complainant immediately shut down the generator and put a pan underneath the drip to catch the gasoline. The gasoline drip was very slow, so the complainant disconnected the fuel line and drained the remainder of the gas into the pan. After approximately 1 to 2 minutes, the complainant inspected the unit and realized that the rubber grommet that fits into the bottom of the fuel tank had split, allowing the fuel to leak out of the tank. This grommet fits into a hole in the bottom of the fuel tank. The shutoff valve friction fits into the fuel hose and fits onto a connector on the side of the shut-off valve. The complainant later purchased a replacement grommet. The photographs in Figure 14 show the deterioration of the grommet.

Figure 14 – Subject Generator (Left);
Location of Grommet indicated by Yellow Arrow (Middle);
Close up of Grommet Deterioration/Failure, which caused Fuel Leak (Right)

SUMMARY

The IDI reviews illustrate the diversity of fuel leak sources. Although the IDI reviews do not ascertain the root cause of the leaks, the events and details from the IDIs provide clues and have identify specific components that leaked fuel.

RECALL ANALYSIS

Staff compiled a list of recalls that pertain specifically to fuel leaks associated with fuel system components. This list does not include recalls related to carburetors, fuel pumps, or any engine related component. Table 1 shows the lists of recalls for the various product types, spanning from 2000 to 2013. Any recall notice can be accessed via www.cpsc.gov by typing in the recall number in the search box.

All of the recalls were due to the mechanical failure of these components:

- Fuel Tank
- Fuel Filter
- Fuel Hose
- Fuel Vent Grommet

As stated in the recall bulletins, many of the recalls associated with fuel tank failures are due to stress cracking. Fuel filter failures are due to filters cracking or splitting. Fuel hose issues stem from hoses either slipping off, forming cracks, being cut, or potentially sheared off completely. Fuel vent grommet issues pertain to a loss of seal causing fuel leaks.

The recall bulletin numbers in Table 1 are hyperlinked in this document for convenience. The total number of recalled units is approximately 1.7 million from 2000 to 2013. One way to view the data is that, on average, there have been approximately 120,000 recalled units per year.

Over the span of 14 years, staff continues to see recalls due to the same problems: splits/cracks on the fuel tank or leaks at the seam(s), fuel hoses sliding off or being cut, and fuel filters failing. Vent grommet seal problems appear to be a more recent problem when examining the list of recalls in Table 1. Notably, the vent grommet feature is usually on the larger equipment, such as riding lawn mowers. Typically, smaller push mowers and snowblowers are not equipped with a separate vent. Generally, the vent is now part of the fuel cap for the smaller OGSGPE.

Table 1 – List of Product Recalls Due to Fuel System Component Leaks

Recall No.	Manufacturer	Fuel Leak Source	No. of Units Recalled	Recall Date
PORTABLE GENERATORS				
02-067	Devilbiss	Fuel tank	600	12/14/2001
06-537	Valsi	Fuel tank	900	3/22/2006
13-036	Powermate/Pramac	Fuel filter	7,700	11/13/2012
13-042	American Honda	Fuel hose	150,600	11/15/2012
13-247	Subaru/Robin America	Fuel tank	4,100	7/23/2013
PUSH LAWN MOWERS				
00-095	American Honda	Fuel tank	112,000	4/11/2000
02-060	Lawnboy	Fuel tank	90,000	12/11/2001
06-130	Tecumseh *[also includes snowblowers and generators]*	Fuel hose	170,000	4/4/2006
08-077	American Honda	Fuel tank	22,000	11/8/2007
13-040	Kawasaki	Fuel filter	210,000	11/15/2012
SNOWBLOWERS				
03-046	Tecumseh *[also include generators and pressure washers]*	Fuel hose	25,000	11/27/2002
03-102	Toro	Fuel tank	3,400	11/27/2003
06-224	Toro	Fuel tank	84,000	8/3/2006
11-082	American Honda	Fuel tank	18,500	12/29/2010
RIDING LAWN MOWERS / GARDEN TRACTORS				
01-058	White	Fuel tank	9,700	12/20/2000
02-043	WCI Outdoor Products	Fuel tank	35,000	11/16/2001
02-506	Grasshopper Company	Fuel tank	174	11/16/2001
02-113	Murray	Fuel tank	89,500	3/5/2002
02-124	Dixon Industries	Fuel tank	28,000	3/21/2002
02-220	Excel Industries	Fuel hose	1,500	8/6/2002
02-517	John Deere	Fuel tank	8,000	1/4/2002
03-089	Murray	Fuel tank	270,000	3/4/2003
04-102	Murray	Fuel tank	93,500	3/23/2004
05-517	John Deere	Fuel tank	4,400	11/24/2004
05-061	Electrolux/Husqvarna	Fuel tank	5,280	12/6/2004
06-207	Husqvarna	Fuel hose	174,000	7/11/2006
09-706	Murray	Fuel tank	2,100	10/23/2008
10-748	Husqvarna	Fuel hose	1,700	7/27/2010
11-733	Cub Cadet	Fuel tank	4,300	4/13/2011
11-751	Kubota	Fuel hose clamp	6,100	9/14/2011
13-704	Excel	Vent valve fitting	18,000	11/1/2012
13-048	Toro	Fuel tank	2,600	11/27/2012
13-733	Cub Cadet/MTD	Vent valve grommet	2,100	4/29/2013
13-187	Toro	Fuel tank	3,700	5/9/2013
OTHER PRODUCTS				
06-569	Generac Pressure Washers, Air Compressors, and Saw Mills	Fuel tank	700	7/27/2006
08-129	Honda Outdoor Vacuum	Fuel tank	1,600	12/12/2007
11-040	Honda Tiller	Tank grommet	6,150	11/16/2010

Figure 15 illustrates the recall data graphically and merges the various product types organized by year. Since ANSI/OPEI B71.10 was first published in 2008, there are still significant numbers of recalled units. Over the entire 14-year span, the number of recalled units in 2012, rivals the year with the highest number of recalled units, which was 429,600 recalled units in 2006.

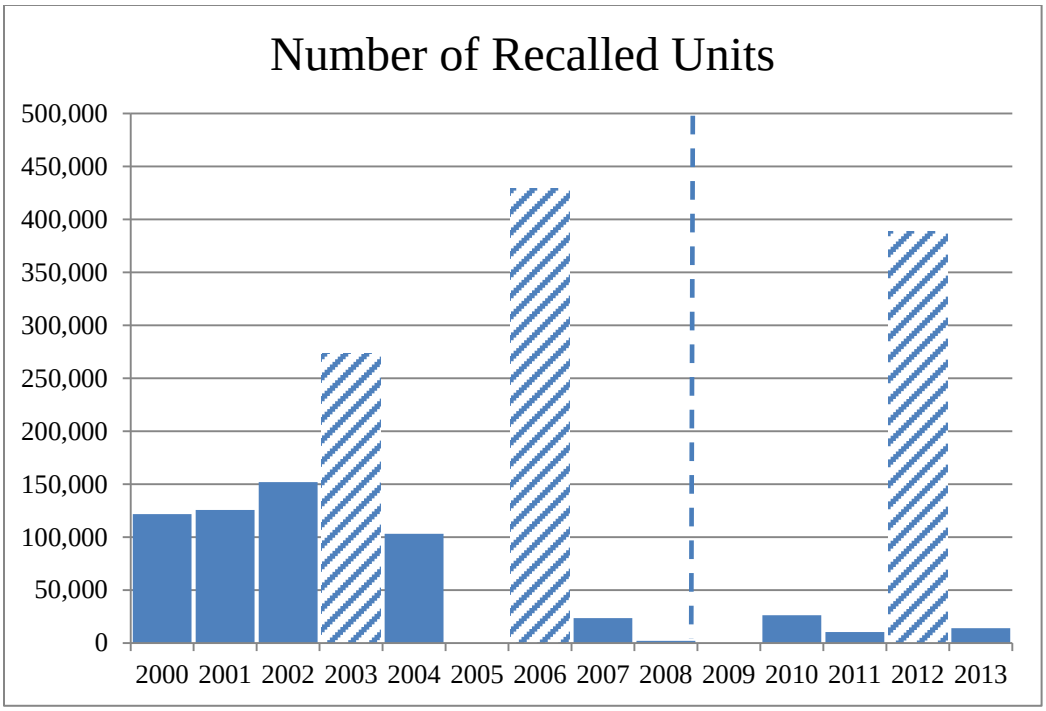

Figure 15 – Number of Recalled Units Due to Fuel System Component Leakage.
The years 2003, 2006, and 2012 are crosshatched for emphasis, since these three years had the highest numbers of recalls

As staff mentioned previously, the OGSGPE industry is interdependent. The various companies rely on the same vendors for specific parts, especially the fuel tanks and fuel filters. Sometimes a few parts companies supply fuel tanks not just for snowblowers, but also for similar products, such as tillers. Because of this interdependency, the recall numbers may not necessarily provide the complete picture. In 2012 alone, Kawasaki recalled 210,000 lawn mower engines due to faulty fuel filters. Had that recall not happened, the average number of recalled units would have been lower from 2009 to 2013. In addition, because of the faulty filters, the recalled filters crossed over to other product categories, such as utility vehicles. As evidenced in the Kawasaki recall,[4] a John Deere utility vehicle[5] was also recalled because the same model fuel filters are used on the John Deere utility vehicles.

Staff considered parsing the statistics separately for generators, snowblowers, and mowers. However, because there is the common component (fuel tank used on snowblowers, tillers, and generators), all three product types are essentially treated as a single product type.

[4] CPSC Recall on Kawasaki lawn mower engines, Internet source: http://www.cpsc.gov/en/Recalls/2013/Kawasaki-Motors-Recalls-Lawn-Mower-Engines-Due-to-Fire-Hazard/.
[5] CPSC Recall on John Deere utility vehicles, Internet source: http://www.cpsc.gov/Recalls/2013/John-Deere-Recalls-Utility-Vehicles-Powered-by-Kawasaki-Engines-Due-to-Fire-Hazard/.

As will be discussed in subsequent sections, staff discovered that none of the current industry standards directly addresses fuel leaks from components, such as fuel filters, vent valve grommets; nor do they address the resistance of fuel hoses to cuts from sharp edges. As demonstrated in the recall analyses, IDI reviews, and IPII report reviews, fuel filters and vent valve grommets are sources of fuel leaks.

SUMMARY OF FUEL LEAK SOURCES

Table 2 summarizes the fuel leak sources that were presented in the IPII, IDI, and recall reviews.

Table 2 – Summary of Fuel Leak Sources

Component	Failure Mode	Data Sources where Failure Mode was Examined
Fuel Tank	Seam Split	IPII, Recall
	Stress Crack	IPII, IDI, Recall
	Holes in the Tank due to tank design or deflashing errors	IPII, IDI
	Cracks/holes due to Welding/brazing errors	Recall
Fuel Hose	Sliding off	IPII, Recall
	Being cut from sharp edges/sharp objects	IPII, Recall
	Chemically deteriorating/cracking/splitting	IPII, IDI
Fuel Filter	Cracking/splitting	IPII, Recall
Grommet	Losing Seal	IPII
	Chemically deteriorating/cracking/splitting	IDI, IPII

While the source of leak is self-explanatory, stress cracks can be attributed to various factors, such as temperature contraction/expansion, engine vibration stresses, and impact loading. The pie charts in Figures 16 and 17 show the distribution of the recalls leak sources. The majority of leaks are due to stress cracks and fuel hose failures. Regarding Figure 16, 13 recalls from 2000 to 2013 were due to stress cracks, which make up 37 percent of all recalls spanning from the 14-year range. Of the 13 recalls, 730,300 units were recalled due to stress cracks. See Figure 17.

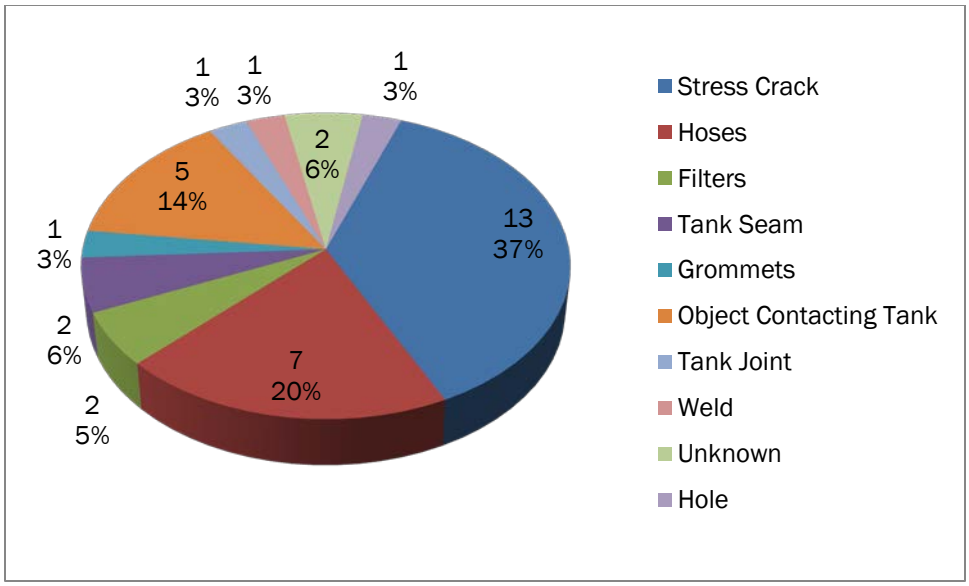

Figure 16 – Distribution of Recalls

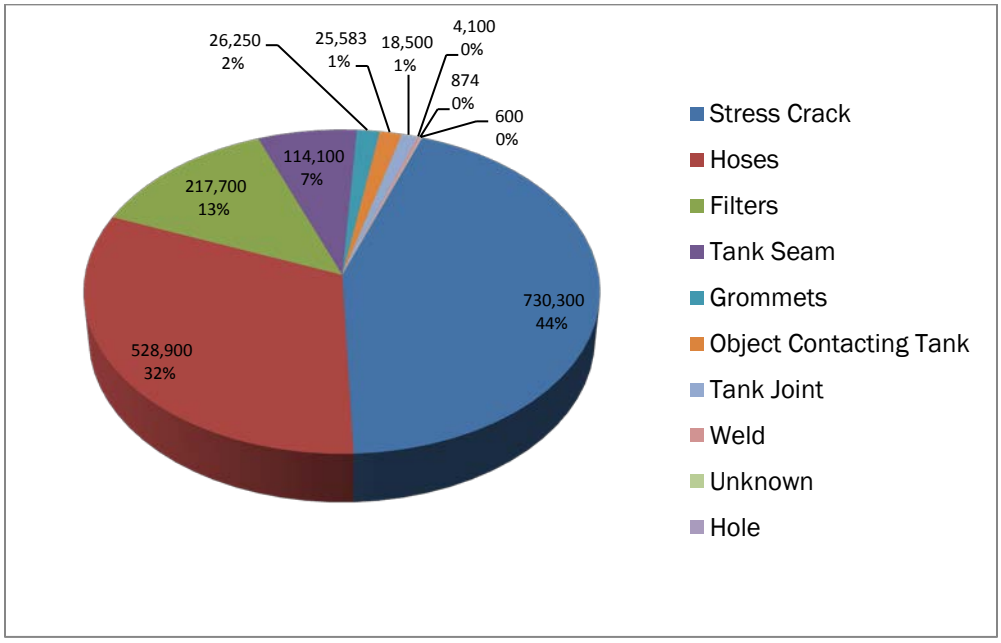

Figure 17 – Number of Recalled Units

TEST PLAN

Staff purchased fuel tank assemblies to test to several performance tests in the current industry standards. Certain performance tests were selected to reproduce some of the scenario descriptions in the sources mentioned previously: IDIs, recalls, and IPII reports.

Staff examined several related standards in addition to the ANSI/OPEI B71.10-2013 standard, including standards for products that serve similar functions as the OGSGPE. All standards that were reviewed for this study were the latest versions to the best of staff's knowledge. There may be some standards in draft form or under development; however staff did not review those standards. Table 3 shows the list of standards and the year of publication for each version of a given standard.

Table 3 – List of Standards Reviewed

Standard	Name	Year of Publication
SAE J288 – 2014	Snowmobile Fuel Tank Standard	2014
ANSI/OPEI B175.1 – 2012	Standard for Outdoor Power Equipment – Internal Combustion Engine-Powered Hand-Held Chain Saws – Safety and Environmental Requirements	2012
ANSI/OPEI B175.3 – 2013	Standard for Outdoor Power Equipment – Internal Combustion Engine–Powered Hand-Held Grass Trimmers and Brushcutters – Safety and Environmental Requirements	2013
ANSI/OPEI B71.10 – 2013	Standard for Off-Road Ground-Supported Outdoor Power Equipment – Gasoline Fuel Systems – Performance Specifications and Test Procedures	2013
ANSI/OPEI B71.3 – 2014	Standard for Snow Throwers – Safety Specifications	2014
ASTM F852 – 2008	Standard Specification for Portable Gasoline Containers for Consumer Use	2008

Staff considered various elements of all of the standards in Table 3 to develop a set of tests that were believed to be relevant to identifying the probable causes of fuel leakage from OGSGPE.

SELECTION OF TEST SAMPLES

Sample fuel tanks were selected based on IDI reports that showed fuel leaks from outdoor ground-supported, gasoline-powered equipment. The following analyses support the selection of the tanks that were used for the various performance tests. Staff's hypothesis was that if these tanks had seam splits or cracking problems in the past, they may still be likely to have problems. All of the sample tanks were those available in the marketplace at the time of this study.

Staff noted that the same tanks are utilized in different types of equipment. Table 4 shows the fuel tanks that were selected and purchased to perform various performance tests.

Table 4 – Fuel Tank Selections

Tank Manufacturer	Product
Brand A	Snowblower
Brand B	Snowblower and Tiller
Brand C	Push Lawn Mower
Brand D	Portable Generator
Brand E	Push Lawn Mower
Brand F	Riding Lawn Mower

While all the above tanks were purchased, only four model tanks were tested because of limitations outlined in the "Test Plan" and "Test Data and Discussion" sections in this report. Figures 18 through 20 show the purchased tanks.

Figure 18 – Brand A Snowblower Tank (Left); Brand C Push Mower Tank (Right)

Figure 19 – Brand B Tiller/Snowblower Tank (Left);
Brand D Portable Generator Tank (Right)

Figure 20 – Brand F Riding Lawn Mower Tank (Left);
Brand E Push Lawn Mower Tank (Right)

SELECTION OF PERFORMANCE TESTS FROM THE VARIOUS STANDARDS

To investigate the probable causes of fuel leaks described in the IDIs, recalls, and IPII reports, staff decided to test the fuel tanks to certain performance tests that might simulate the various failure modes, such as drop impact and thermal stress crack expansion and contraction. The following sections provide a rationale for how staff selected the various performance tests.

Drop Impact Test

Staff believes that tanks should be constructed to withstand dynamic impact loading. This is because OGSGPE are dynamic equipment. They are subjected to bumpy surfaces when mowing or engine vibrations; moreover, projectiles can strike fuel system parts, among other condition. To date, the most recent version of the ANSI/OPEI B71.10-2013 standard does not have a performance test to evaluate impact loading. However, similar standards, such as the SAE J288, ASTM F852, ANSI/OPEI B175.1, and ANSI/OPEI B175.3 all have a drop test. A drop test is effective and consistent because gravity is consistent, and neglects air friction and other minor losses. This way, a prescribed amount of input energy is known. Consequently, staff conducted drop tests on three fuel tanks to evaluate how a sampling of the fuel tank marketplace fared.

There is no consistency between the various standards when considering the drop heights. None of the annexes or appendices in the standards provided rationales for the chosen drop heights. Table 5 shows the various drop heights.

Table 5 – Drop Heights for the Various Industry Standards

Standard	Drop Height
SAE J288 (Snowmobiles)	49 in (1.2 m)
ANSI/OPEI B175.1 (Chainsaws)	31 in (0.77 m)
ANSI/OPEI B175.3 (Grass Trimmers)	31 in (0.77)
ANSI/OPEI B71.10 (OGSGPE)	No requirement
ANSI/OPEI B71.3 (Snow Throwers)	No requirement
ASTM F852 (Portable Gas Cans)	first drop=72 in (1.8 m); second drop=48 in (1.2 m)

Both the subject mass and impact velocity must be considered for drop impact testing. The SAE J288 drop test criteria are, by far, more severe than all the above-mentioned standards. The following explains why.

A snowmobile tank is typically 10 or more gallons. Gasoline weighs approximately 6 lbs per gallon. A 10-gallon snowmobile fuel tank filled with gasoline and accessories can weigh around 60 lbs (27 kg). However, as the drop tests for the ANSI/OPEI B175.1, ANSI/OPEI B175.3 and SAE J288 require antifreeze/water mix contained in the fuel tanks. Antifreeze is approximately 9 lbs per gallon and water is 8.3 lbs per gallon. For illustration purposes, this example will assume antifreeze/water mix as 8.5 lbs per gallon. A 10-gallon snowmobile fuel tank filled with antifreeze/water mix is approximately 85 lbs (39 kg).

Staff estimated the velocities at which these tanks are falling, using the simplified energy conservation equation, neglecting air friction where $\frac{1}{2} mv^2 = mgh \rightarrow v = (2gh)^{\frac{1}{2}}$ = impact velocity, where m is mass and g is the acceleration of gravity (9.8 m/s^2). Using the example above, a drop height of 1.2 m can produce an impact velocity of $(2*9.8*1.2)^{\frac{1}{2}}$ = 4.9 m/sec = 11 mph = 16 ft/sec. The velocity was expressed in various units for reference. The amount of energy is (39)*(9.8)*(1.2) = 473 Joules.

The ANSI/OPEI B175.1 standard specifies a drop height of 30.5 inches (0.77 m). Nevertheless, unlike the SAE J288 standard, where it specifies only the tank filled with antifreeze/water mix is struck on a hard surface, the ANSI/OPEI B175.1 standard requires the chainsaw and tank filled with antifreeze to be dropped. A typical chainsaw weighs 13 lbs (6 kg) with gasoline/engine oil mix. However, with an antifreeze/water mix, the chainsaw may weigh approximately 15 lbs (6.8 kg). Accordingly, the energy produced will be as follows: 6.8 * 9.8 * 0.77 = 52 Joules, which is only 11 percent of the snowmobile tank impact energy. Naturally, the impact velocity will be slower (*i.e.*, $2*9.8*0.77)^{\frac{1}{2}}$ = 3.88 m/sec = 8.7 mph = 12.7 ft/sec. Table 6 shows the relationship between drop height and impact velocity. For convenience, velocity is expressed in various units.

Table 6 – Impact Velocities for the Various Drop Heights

Drop Height	Velocity (m/s)	Velocity (ft/s)	Velocity (mph)
30 in (0.77 m)	3.9	12.7	8.7
49 in (1.2 m)	4.9	16	11

Staff decided to drop the tanks from 49 inches (1.25 m). Staff supported this decision with the following explanation: A typical push mower or snowblower tank is approximately 1 lb (0.45 kg) and has a capacity of 0.5 gallons. A tank filled with antifreeze/water is approximately 4.2 lbs (1.9 kg). The energy is approximately 1.9 * 9.8 * 1.2 = 24 Joules, which is lower relative to the above two examples, where the chainsaw energy is 52 Joules, and the snowmobile tank energy is 473 Joules.

Some fuel tanks require longer run times such as generator fuel tanks. On a 7000-watt generator, a tank can have a capacity of 7 gallons. In that instance, its mass would be approximately 59 lb (27 kg), and the energy would be 27 * 9.8 * 1.2 = 332 Joules, which is approximately 70 percent of a snowmobile tank's.

For convenience, Table 7 shows the comparison between the various masses and energies. These estimates are for illustrative and comparison purposes. For the reasons above, staff believes a drop height of 49 inches is reasonable, conservative, and realistic.

Table 7 – Impact Energy Comparisons

Drop Mass	Drop Height	Energy (Joules)
Snowblower tank w/0.5 gal antifreeze, 1.93 kg (4.3 lb)	49 in (1.2 m)	24
Chainsaw w/ antifreeze filled tank, 6.8 kg (15 lb)	31 in (0.77 m)	52
Generator tank filled with 7 gal antifreeze, 27 kg (59 lb)	49 in (1.2 in)	332
Snowmobile Tank filled w/ 10 gal antifreeze, 39 kg (85 lb)	49 in (1.2 in)	473

The preconditioning portion of the SAE J288 drop test did not specify a 'room temperature' to condition the fuel tanks filled with gasoline. Therefore, staff selected the ANSI/OPEI B71.10 room temperature conditioning temperature range of 68 ± 9 °F. This temperature range is quite large, between 59 and 77°F, and this range allowed staff to store the gasoline-filled fuel tanks in CPSC National Product Testing and Evaluation Center ("NPTEC") flammable liquid storage cabinets that do not regulate temperature or humidity. Since the NPTEC building temperature is always maintained within the 59° to 77°F range, staff stored the fuel tanks in the flammable cabinets without frequent temperature monitoring. Occasional monitoring was done using a Fluke® 52 thermocouple to ensure that the temperature specification was met. In addition, each fuel tank was placed inside a bucket in case a fuel tank sprung a leak.

SAE J288 requires that the fuel tanks be temperature conditioned with a liquid that has a specific gravity greater than 0.7 and can withstand the temperature extremes of a -40°F environment and a 140°F environment. Staff chose an antifreeze solution with a 50 percent glycol-50 percent water mix, which would satisfy the above criteria and is consistent with the requirements of ANSI/OPEI B175.1 and ANSI/OPEI B175.3. Furthermore, a footnote in SAE J288 states that the antifreeze/water mix is acceptable.

The ANSI/OPEI B175.1 and ANSI/OPEI B175.3 standards state that tanks filled with ethylene glycol/water mix should be struck onto a concrete surface with no specifications on the concrete. The SAE J288 standard states that the tank filled with nonfreezing/nonboiling liquid should be struck on a 'smooth hard surface,' once again with no specificity on the surface characteristics. Staff decided to fill the tanks with antifreeze because antifreeze does not freeze at -40°F and can withstand a 140°F (60°C) temperature environment for the drop tests. Staff decided to use a 16 in x 16 in x 2 in (406 mm x 406 mm x 51 mm) concrete slab placed inside a plastic berm as the impact surface. The berm serves to capture or contain any antifreeze spills resulting from drop impact testing if any cracks form. To maintain a solid surface with minimal energy absorption, staff placed the berm on top of a concrete sidewalk in an outdoor testing area of NPTEC. See Figure 21.

Figure 21 – Left: Protective Aluminum Frame Shield with Plastic Panels to Minimize Any Antifreeze Splashes Due to Drop Impact Testing; Right – Top View showing the Concrete Slab (Striking Surface)

Figure 22 shows the SAE J288 test sequence.

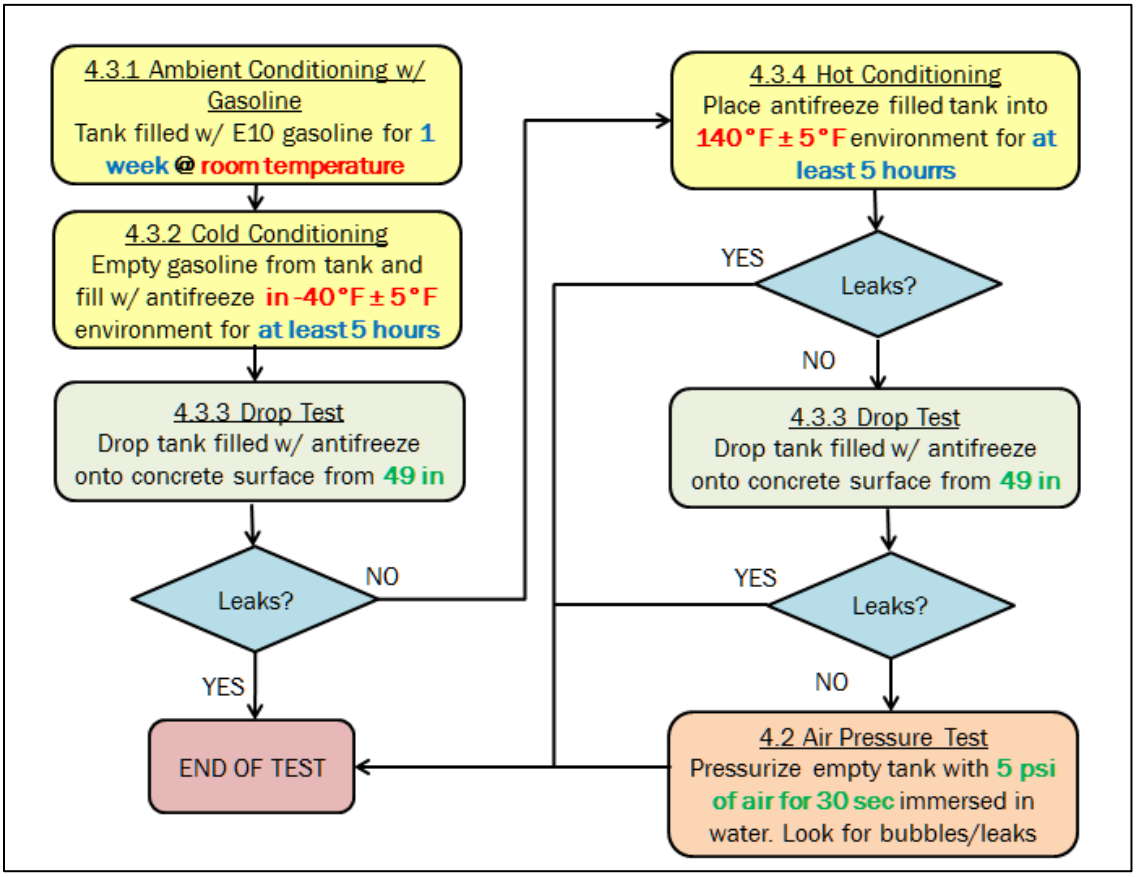

Figure 22 – Drop Impact Test Flowchart based on the SAE J288 – 2014 Snowmobile Fuel Tank Standard

Thermal Stress Crack Test

The thermal stress crack test was selected to subject the fuel tanks to conditions that snowblowers would experience during normal operation. Snowmobiles and snowblowers are

subjected to similar harsh environments with temperature extremes. While both devices can be surrounded by extreme cold snow and ice, they also can experience the extreme hot source of exhaust gases from the engine in close proximity to fuel tanks and fuel system components. Hence, staff explored the testing of some sample tanks to the thermal stress crack test per SAE J288, because that test was more likely to subject the fuel tanks to cyclical periods of temperature extremes, allowing for expansion and contraction. The ANSI/OPEI B71.10 does not have a performance test that subjects tanks to temperature extremes.

After conditioning each fuel tank with gasoline for one week, each tank was emptied and then placed into both the cold and hot temperature-conditioned environments for at least 5 hours at a time for 10 complete cycles within a 14-day period. Figure 23 shows the procedure logic.

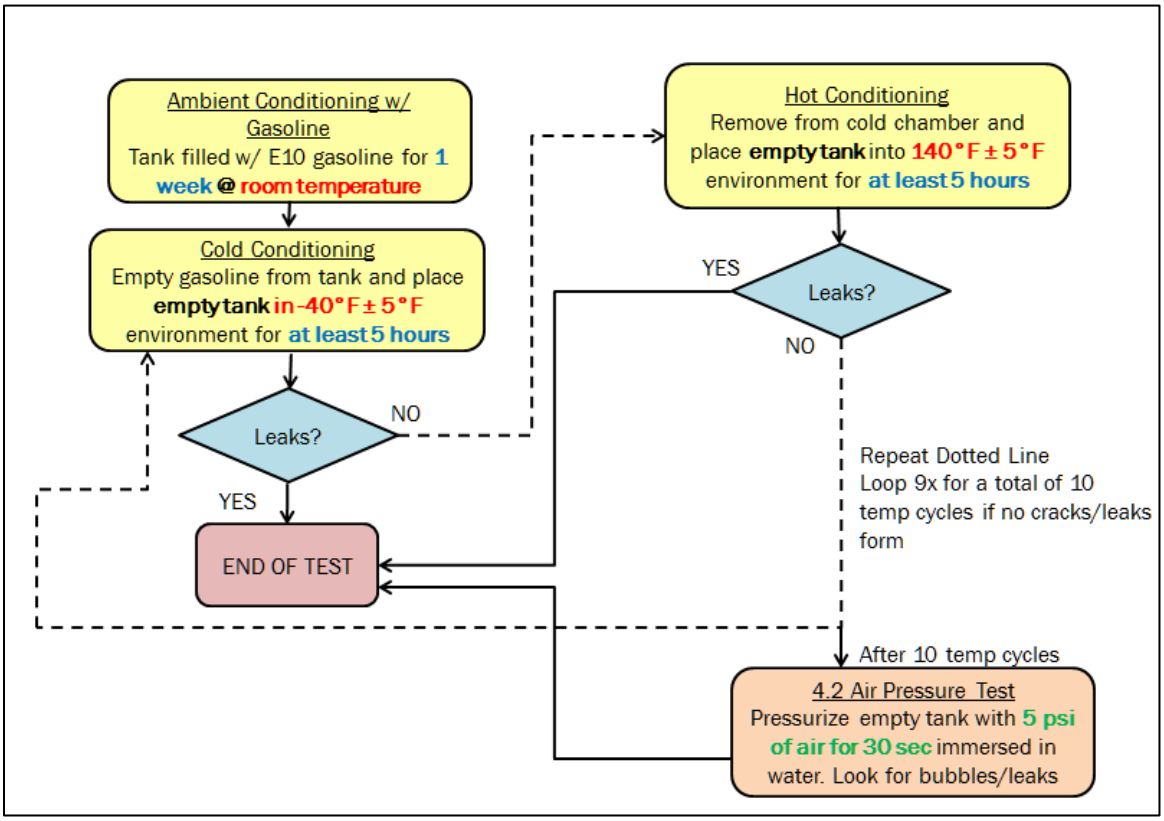

Figure 23 – Thermal Stress Crack Test Flowchart based on Section 4.4 of SAE J288 – 2014 Snowmobile Fuel Tank Standard

Because there is the "at least" condition in the standard, there were instances where empty tanks were conditioned for 48 hours or more because staff did not work at the NPTEC facility over Saturdays and Sundays. Nevertheless, staff followed the procedure as written. Following the 10 temperature alternating cycles, the subject tanks were subjected to the air pressure leak test.

A Cincinnati Sub Zero® ("CSZ®") model Z32 chamber was used for cold conditioning the tank samples because it was a unit capable of maintaining -40°F; a Blue M® SPX series heating chamber was used for conditioning the tank samples at the 140°F temperature environment.

These chambers were used for conditioning empty tanks for thermal stress crack test and tanks filled with antifreeze/water mix for the drop impact test.

The CSZ® chamber had inner dimensions of 3 ft x 3 ft x 3ft (0.9 x 0.9 m x 0.9 m) and the Blue M® had inner dimensions 2 ft x 2 ft x 2ft (0.61 m x 0.61 m x 0.61m). Due to limited sizes of these chambers, only a few tank models were tested for the drop impact and thermal stress crack tests. For example, the Brand D generator tank or Brand F riding lawn mower tank could not fit into the heating chamber because the length of each of those tanks is nominally 22 inches (0.56 m). While the heating chamber's width is 2 ft (0.61 m), the tanks needed to be placed in plastic buckets to capture any antifreeze leaks during hot conditioning when preparing for the drop impact test. When placing the tanks in buckets, the width exceeded the 2 ft width capacity.

Fuel Hose Tensile Pull Test

Among the five industry standards that were examined for this study, staff found that three of the standards required a fuel hose tensile pull test. Because portable gas cans do not have fuel lines/hoses, no such test is applicable. The snowmobile standard does not have this performance test. Table 8 shows the comparison among the standards.

Table 8 – Comparison of Fuel Hose Tensile Pull Tests

Standard	Test Description	Tensile Force Applied
SAE J288 (Snowmobile Tanks)	No requirement	No requirement
ANSI/OPEI B175.1 (Chainsaws)	Run engine for 5 min. Rest 24 hrs then insert 7x200 mm test probe into any openings to access lines and apply force if possible	9 lb
ANSI/OPEI B175.3 (Grass Trimmers)	Run engine for 5 min. Rest 24 hrs then insert 7x200 mm test probe into any openings to access lines and apply force if possible	9 lb
ANSI/OPEI B71.10 (OGSGPE)	Dry: allow 10 ml of gasoline to flow through hose to wet connection then pull w/ 30 lbs for 5 sec; Wet: Soak one end of hose in gasoline for 15 min, then reassemble and pull with 10 lb for 5 sec	30 lb (dry) and 10 lb (wet)
ANSI/OPEI B71.3 (Snow Throwers)	References ANSI/OPEI B71.10 (same as ANSI/OPEI B71.10)	30 lb (dry) and 10 lb (wet)
ASTM F852 (Portable Gas Cans)	No requirement	No requirement

Annex A.5.4 of ANSI/OPEI B71.10 explains the rationale behind the fuel hose tensile test. The ANSI/OPEI B71.10 technical committee mentions that the 30 lb pull test simulates the fuel hose being caught on a shrub, a branch, or other object. Ten milliliters of gasoline is allowed to flow through the hose barb-hose connection to wet the connection. The second test, where 10 lbs of tensile force is applied, simulates a scenario where the fuel hose is removed purposely to drain the fuel tank. The fuel hose is soaked in gasoline for 15 minutes, then reattached, and pulled. Staff conducted tests on four model fuel tanks to gather data on a sampling of the cross section of OGSGPE.

Air Pressure Leak Test

Both ANSI/OPEI B71.10 and SAE J288 have performance requirements to pressure-test tanks. These tests are done after a destructive test, such as a drop impact, thermal stress crack, or pressure-cycling test is done. Table 9 compares the requirements of each standard.

Table 9 – Comparison of Air Pressure Leak Tests

Standard	Test Description Summary	Pressure (psi) / time duration (s)
SAE J288 (Snowmobiles)	Inject compressed air into an empty, sealed fuel submerged in water; if bubbles form, a leak is detected	5/30
ANSI/OPEI B175.1 (Chainsaws)	No requirement	No requirement
ANSI/OPEI B175.3 (Grass Trimmers)	No requirement	No requirement
ANSI/OPEI B71.10 (OGSGPE)	Inject compressed air into an empty, sealed fuel submerged in water; if bubbles form, a leak is detected; other techniques such as pressure decay method are acceptable	Two options: 5/15 or 3/30
ANSI/OPEI B71.3 (Snow Throwers)	No requirement	No requirement
ASTM F852 (Portable Gas Cans)	No requirement	No requirement

The air pressure test is important because a drop impact test or the thermal stress crack test could generate a seam split or stress crack. While is understood that fuel tanks are generally not regarded as pressure vessels, these tanks will experience pressure fluctuations, especially pressure increases when the fuel tanks are exposed to extended periods of sunlight or heat. There are some variations in the pressure levels and pressure application times, as seen in Table 9. The three to five psi levels are probably sufficient to detect leaks, but it is not clear why there are differences in pressure application times.

Absence of Performance Tests to Evaluate Grommets, Fuel Filters, and Contacting Forces on Fuel Hoses

As seen in the list of recalls, significant numbers of products were recalled due to fuel leaks associated with fuel filters and grommets. However, none of the standards reviewed contained any performance tests to evaluate directly the structural integrity of these critical fuel system components. For example, if there is a hose pull tensile test on the tank-hose connection, perhaps an additional tensile test for the hose-fuel filter connection should be required.

As described in the recalls, there are instances in which sharp objects contacting fuel hoses can cut fuel hoses, posing a fire hazard due to fuel leaks. There were no performance criteria from the standards that were reviewed to evaluate cut resistance when subjected to contacting forces.

Absence of Performance Tests to Evaluate Fatigue/Repeated Mechanical Stress Effects

Staff believes stress cracks can form due to a multitude of sources, including engine vibrations, pulse loading from bumps while mowing, extreme temperature exposures, chemical deterioration, or some combination thereof. Furthermore, current designs of fuel tanks have areas of high stress concentration, such as bolt mounting shoulders. Currently, in the ANSI/OPEI B71.10 standard, there is no performance test that evaluates fatigue/mechanical stress effects.

TEST DATA AND DISCUSSION

All testing mentioned in this report was performed by staff at the CPSC NPTEC in Rockville, MD. Staff conducted the following performance tests:

- Hose pull tensile test,
- Thermal stress crack test,
- Drop impact test, and
- Pressure cycling tests.

The selection of tests conducted was based on these factors:

- Tanks that can fit in NPTEC's high temperature and low temperature conditioning chambers, and
- Number of tank subsamples, because several tests are destructive tests and several subsamples of each model are needed.

Table 10 – Performance Test Matrix

	SUB NUMBER	PERFORMANCE TESTS		
Brand C Push Mower Fuel Tank	1	Hose Pull Tensile	Pressure Cycling	Air Pressure Leak
	2	Drop Test	Air Pressure Leak	
	3	Thermal Stress Crack	Air Pressure Leak	
Brand B Snowblower /Tiller Fuel Tank	1	Hose Pull Tensile	Pressure Cycling	Air Pressure Leak
	2	Drop Test	Air Pressure Leak	
	3	Thermal Stress Crack	Air Pressure Leak	
Brand A Snowblower Fuel Tank	1	Hose Pull Tensile	Pressure Cycling	Air Pressure Leak
	2	Drop Test	Air Pressure Leak	
Brand D Portable Generator Fuel Tank	1	Hose Pull Tensile		

Because the drop test is a destructive test, as is the thermal stress crack test, one subsample is allocated for each test. In addition, after conducting those tests, an air pressure leak test was conducted to detect any leaks because of the drop impact or thermal stress crack environmental conditioning. Because the hose pull tensile test only evaluates the integrity of the hose-tank connection, and not necessarily the tank's structural integrity, staff decided that the pressure cycling, hose pull tensile, and air pressure leak tests can be combined into one subsample. The air pressure leak test was then done on that subsample after conducting the pressure-cycling test, another destructive test. The subsequent sections will discuss the test data and details.

As mentioned earlier in the report, staff was only able to conduct tests on what was possible with the limited resources available. The Blue M® heating chamber was not large enough to accommodate the Brand D generator or the Brand F riding lawn mower fuel tank. Therefore, only the hose pull tensile test was conducted on the Brand D tank.

HOSE PULL TENSILE TEST DATA

Fuel hose tests were conducted on four model fuel tanks: Brands A through D. The procedure outlined in Section 5.4 of ANSI/OPEI B71.10 was followed. All four fuel tanks passed the tests. See Table 11. After allowing 10 ml of gasoline to flow through the hoses, each hose did not slip when 30 lbs of tensile force was applied. Figure 24 illustrates the test setup. A calibrated 50-lb model Chatillon® force gauge was used.

Figure 24 – Test Setup for Fuel Hose Tensile Pull Test

Table 11 – Hose Pull Test Data

Brand	Dry Test: Slipping after applying 30 lbs @ 5s?	Wet Test: Slipping after applying 10 lbs @ 5s?	Wet: Force (lbs) / time (s) when hose detached
Brand C	No	No	30 / 1
Brand B	No	No	25 / 1
Brand A	No	No	30 / 1
Brand D	No	No	20 / 1

To be conservative, staff fastened each fuel hose by inserting the hose completely to the edge of the hose barb and placing the hose clamp directly over the raised portion of the barb. This was done to maximize the hose compression around the hose barb. Had the hoses been fastened differently, staff may have obtained different results. The ANSI/OPEI B71.10 standard does not provide sufficient specific directions for the testing laboratories when conducting the fuel hose tests.

While the four tanks passed the industry voluntary standard, it is not clear if a 30 lb pull test is indicative of real-world conditions. In the ANSI/OPEI B71.10 standard's rationale section, it did not mention a reason for the selection of 30 lbs/5 seconds or what it represents other than a hose

being caught on a branch or other object. This performance test only covers one dimension of the fuel hose's structural integrity. The performance test does not evaluate the fuel hose's resistance to rubbing/cutting forces from sharp edges or objects contacting hoses, which was evident in the recalls and incident data discussed in previous sections.

To explore how the hoses would fare against 30 lbs on a wet test, staff conducted additional tests, where one end of the fuel hose was soaked in a beaker full of gasoline for 15 minutes. The wet test, as described in Annex A.5.4 of ANSI/OPEI B71.10, requires 10 lbs of tensile force to simulate a scenario, where the fuel hose is removed purposely to drain the fuel tank. The fuel hose is soaked for 15 minutes in gasoline, then reattached, and then pulled. Unlike the previous test, staff noted that fuel soaking has a substantial effect on increasing the slip factor. As shown in Table 11, most of the tanks withstood 30 lbs of resistance for one second, whereas others could not reach 30 lbs.

AIR PRESSURE LEAK TEST

The air pressure leak test is intended to perform a final check after the tank assemblies are subjected to the various destructive performance tests. This test involves taking an empty tank after the drop impact test, thermal stress crack test, or pressure-cycling test, submerging the tank in water, and injecting 5 psi of compressed air for 30 seconds. Leaks are detected if bubbles formed. While there are variations among the standards, staff chose the 5-psi and 30-second performance specifications from the SAE J288 standard. Staff rationalizes that even though ANSI/OPEI B71.10 gives the option of 5 psi for 15 seconds or 3 psi for 30 seconds, the higher-pressure value and longer time duration would achieve results that are more dependable.

Some of the tested tanks were equipped with fuel caps with vent holes. The air pressure leak tests could not be conducted on the Brand B model. Rather than conducting this simple, yet effective test on those vented samples, Staff performed visual inspections for cracks or splits in the plastic tank bodies after performing the drop tests and the thermal stress crack tests.

The three sample tanks that were dropped did not have any cracks or splits, only a few scuffs from contacting the concrete surface. None of the thermal stress crack test specimen exhibited any cracks or splits after 10 cycles of hot and cold environment conditioning.

THERMAL STRESS CRACK TEST DATA

Two fuel tanks were subjected to 10 cycles of cold and hot temperature environments, as prescribed in SAE J288. Table 12 shows the test results. The two tanks did not exhibit any cracks, splits, or holes. Staff only performed a visual inspection because the air pressure leak test could not be performed on these tanks because of the vented caps. The vented cap issue is described in the subsequent section titled, "Air Pressure Leak Test."

Table 12 – Thermal Stress Crack Test Data

Brand	Any Cracks or Leaks after 10 Temperature Cycles?
Brand C	No
Brand B	No

Although the extreme temperature environments could subject the tanks to expansion and contraction, the two test specimen tanks did not fail in any way. Figure 25 shows the frost build up on the tanks a few seconds after removing them from the cold chamber.

After conducting the water immersion air pressure leak test on the Brand C tank model, no leaks were detected. This test could not be done on the Brand B model because this tank had a fuel cap that could not be adequately sealed. Only a visual inspection was done to look for cracks or splits.

Because humidity control is not specified, the cold chamber was set to a relatively low humidity setting, approximately 15 percent. This minimized the condensation build up and ice buildup on the surfaces of the fuel tanks and the test chamber. It is not clear how these tanks would have performed if the humidity were set at a higher level, such as 50 percent.

Figure 25 – Brand B and Brand C Tanks after Removing Them from the Cold Chamber

DROP IMPACT TEST DATA

None of the tanks that were dropped failed. Table 13 shows the results. Staff attempted to drop the tank on what staff believed could be a potentially weak location of the tank, such as a seam. Other than a few scuff marks from making contact with the concrete surface, the three tanks maintained their structural integrity without any antifreeze leaks. Interestingly, during the drop tests, on impact, the cap on the Brand A tank came loose, perhaps from a secondary bounce and struck the edge of the fuel cap, which allowed a small amount of antifreeze to leak. Staff considers this occurrence to be an artifact of the test procedure, concluding that the leak was not the result of a tank failure, such as a seam split or crack.

Table 13 – Drop Impact Test Data

Brand	Any Leaks after Drop Impact?	
	After Cold Soak	After Hot Soak
Brand C	No	No
Brand A	No	No
Brand B	No	No

PRESSURE CYCLING TEST

Pressure cycling tests, per Section 5.2 of ANSI/OPEI B71.10, were conducted on two fuel tank models. The fuel tanks are equipped with vented caps, making it impossible to perform the pressure cycling tests with the caps in their stock configuration. Staff sealed the caps by form-fitting rubber gaskets to seal the fuel filler neck openings. Due to the vent and cap design, including a slip mechanism to prevent over-tightening, the 4 psi pressure could not be held for 2 seconds for the Brand B fuel tank, even with the added gasket. Therefore, staff performed the pressure cycling tests only on the Brand A snowblower and Brand C mower fuel tanks, where the gaskets were able to seal the tanks sufficiently to allow for injecting 4 psi of compressed air for a 2-second hold time. Figure 26 shows a representative sampling of the test data from the Brand A snowblower test.

Based on Section 5.2 of B71.10, staff chose a pressure-time cycling profile, where 4 psi will be injected into the fuel tank and held for 2 seconds, then vented for 10 seconds. Therefore, there are five cycles per minute. To apply 10,000 cycles, staff ran the test continuously for 33 hours. The allowable range for the required pressure was 4 ± 0.4 psi, which was met. After applying the 10,000 cycles, an air pressure leak test was performed per SAE J288, where 5 psi is injected for 30 seconds and the tank is submerged in water. No bubbles were visible, confirming that there were no leaks.

Table 14 below shows the results of the pressure-cycling test.

Table 13 – Pressure Cycling Test Data

Brand	Any Leaks after applying 10,000 pressure pulse cycles?	
Brand C	No	No
Brand A	No	No

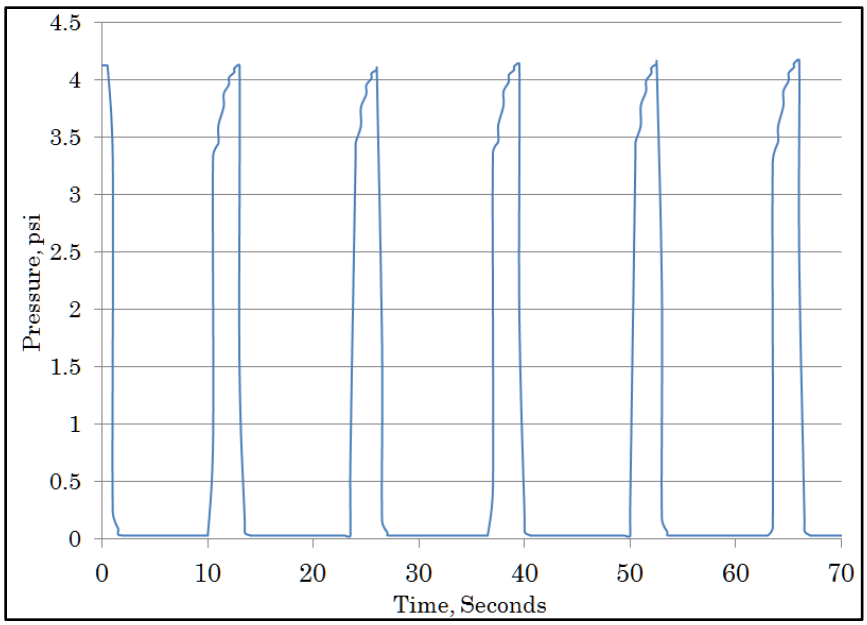

Figure 26 – Pressure Time Profile for Cyclical Pressure Testing Per Section 5.2 of B71.10 [Actual Data from Brand A Snowblower Tank Test]

Staff constructed a simple test setup that includes two AC solenoid valves, a Gralab® programmable timer, a Dwyer® pressure gauge, air from NPTEC's central compressed air supply, pressure regulator, an Omega® pressure transducer, and a National Instruments® ("NI") installed laptop. The NI software was used for creating a simple VI (virtual instrument) to monitor the air pressure in real time, provide a counter, and create an Excel® compatible file for post processing. See Figure 27.

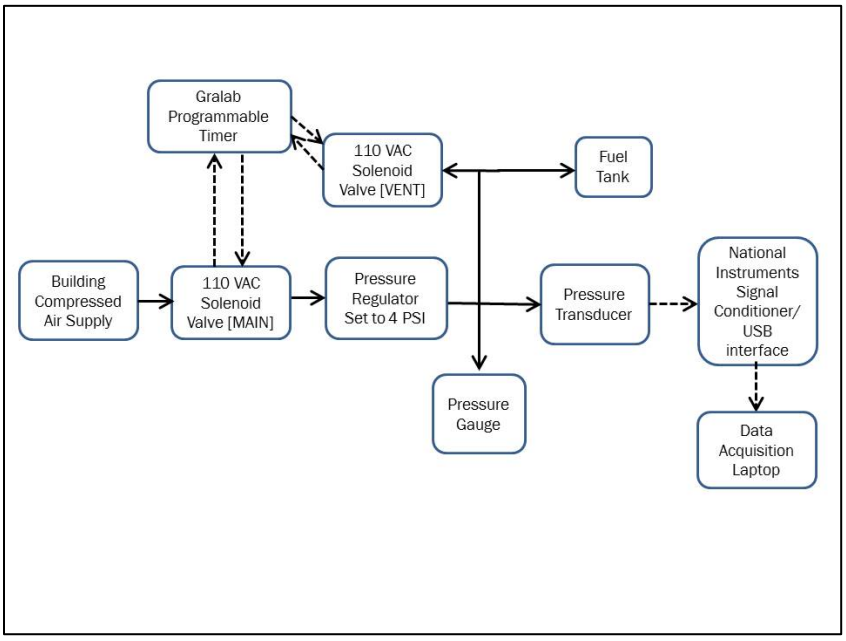

Figure 27 – Cyclic Pressure Test Instrumentation: Solid Lines Indicate Air Connections, Dotted Lines Indicate Electrical Connections

CONCLUSIONS

In this study, staff completed a preliminary investigation of the issue of fuel leaks associated with OGSGPE. This project examined recall data, incident data, industry standards, and product testing to gain insight into identification of fuel leak sources and the probable causes.

Staff found that there are substantial numbers of recalls due to fuel leaks, even though the industry voluntary standard, ANSI/OPEI B71.10-2013, addresses the fuel leak issue. The IDI reviews, incident data, and recalls show a myriad of issues causing fuel leaks from OGSGPE. Fuel leaks can result from failures of various sources:

- Tank Stress Cracks
- Fuel Hoses
- Fuel Filters
- Tank Seam Splits
- Vent Grommets
- Objects Contacting Tanks
- Welds.

The test data show that a convenience sampling of fuel tanks complies with relevant performance tests in the ANSI/OPEI B71.10-2013 and other related current industry standards that could be used to address areas not covered by ANSI/OPEI B71.10-2013. The incident data show numerous examples of cracking fuel tanks and fuel hoses sliding off. This suggests that the industry standards may not be stringent enough or are not replicating real, in-use scenarios or reflecting real-world aging or quality control and quality assurance issues that may lead to the observed incidents. For example, all tests from this mini-study showed fuel hoses remained intact, while IPII incident data and recall data suggest that failures do occur.

Staff has found that some tests cannot be completed as the standard prescribes on fuel tank assemblies as they are purchased. For example, the pressure cycling and air pressure leak tests cannot be performed on some models of fuel tanks purchased by staff because the tanks have vented fuel caps. Air would leak through the caps, making it impossible to perform the tests as written in the standard. The ANSI/OPEI B71.10 standard states the tanks need to be sealed during pressure testing, but there is no specific guidance to execute such actions. Staff was able to seal the caps for two of the models.

Staff believes there is a need for improvements to the voluntary standard and/or quality assurance requirements for manufacturers to decrease the incidents and recalls involving OGSGPE fuel leakage.

RECOMMENDATIONS FOR FUTURE STUDY

Clarifications to ANSI/OPEI B71.10

As with all standards, some interpretation is needed when conducting the actual performance tests. What is missing in the current industry standards is specificity in the various performance tests. For example, there should be some guidance regarding how to seal the fuel tanks properly when conducting the air pressure-cycling test, particularly with vented caps and with caps designed to slip to prevent over-tightening. Perhaps an addendum to the B71.10 standard to suggest sealing the vented caps with epoxy, gaskets, or other means will be helpful to address the vented cap issue.

Improvements and Additions to ANSI/OPEI B71.10

There are no performance tests to evaluate certain fuel system components, such as vent grommets and fuel filters. These components are critical because they either are in line with the fuel, or subjected to fuel vapor pressures. As evidenced in some incident reports, these components are susceptible to failure and can present a potential fire hazard from fuel leaks. Many IPII reports from the appendices illustrate this problem.

Some additional tests that might be useful include measuring resistance to contacting forces for fuel hoses. As identified in some of the incident data, the hoses should be durable to resist sharp edge contact or pinching, as these actions can lead to tearing the fuel hose, which could lead to fuel leaks. IPII reports from the Appendices illustrate this problem. If this is not an uncommon occurrence, there should be a performance standard to address resistance to those forces. Staff recommends a performance specification for fuel hoses to be durable. An example of such a requirement could be to require a strain relief related to the length of fuel hose.

The leading cause of recalls was stress cracks. Stress cracks can form due to (but not limited to) engine vibrations, ultraviolet (UV) light exposure, high/low temperature expansion/contraction, corrosion, or some combination thereof. The International Standards Organization (ISO) 16770 standard for Plastics – Determination of Environmental Stress Cracking (ESC) of Polyethylene – Full Notch Creep Test (FNCT) contains performance tests to evaluate the material strength properties of polyethylene plastics, a widely used material for gasoline fuel tanks. A manufacturer of automobile fuel tanks[6] cited using this test procedure. Staff recommends exploring the applicability of this standard to evaluate the OGSGPE polyethylene fuel tanks.

An IDI review showed that a portable generator had a rusted steel tank that leaked fuel. The B71.10 performance tests appear to be mainly focused on plastic fuel tanks. While the B71.10 standard implicitly includes metal tanks, many of the test criteria are specifically for

[6]Lyondellbasell Corporation, "Plastic Fuel Tank Systems – Lupolen Resins: Proven Performance and Value," 2011. Internet Source: https://polymers.lyondellbasell.com/portal/binary/com.vignette.vps.basell.BasellFileServlet?parentId=0069a91748331410VgnVCM1000004d41a8c0RCRD&childId=en&rel=vignette-mgmt-user-BAS-TBROCHURE&keyAttr=BAS-TTEXT-LANGUAGEID&docAttr=BAS-TBROCHURE-DOCUMENT.

polyethylene fuel tanks (sections 4.3, 5.2.1), as is the SAE J288 standard. Staff recommends that suitable performance tests and durability requirements be developed for steel tanks.

Chemical deterioration of rubber grommets was seen from at least one IDI. Perhaps the effects of exposure to standard gasoline, E10 gasoline, E15 gasoline, and "aged" gasoline might be helpful to investigate. Additionally, it might be helpful to examine how the degradation of gasoline affects grommets, as well as hoses.

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U.S. Consumer Product Safety Commission website www.cpsc.gov, *Various Recall Notices*, U.S. Consumer Product Safety Commission, Washington, DC, 2014.

APPENDICES

Appendix A: Gralab® 900 Timer Programming Steps

Appendix B: Incidents Associated with Snowblower Fuel Hose Leaks

Appendix C: Incidents Associated with Snowblower Fuel Tank Leaks

Appendix D: Incidents Associated with Generator Fuel Hose or Valve Leaks

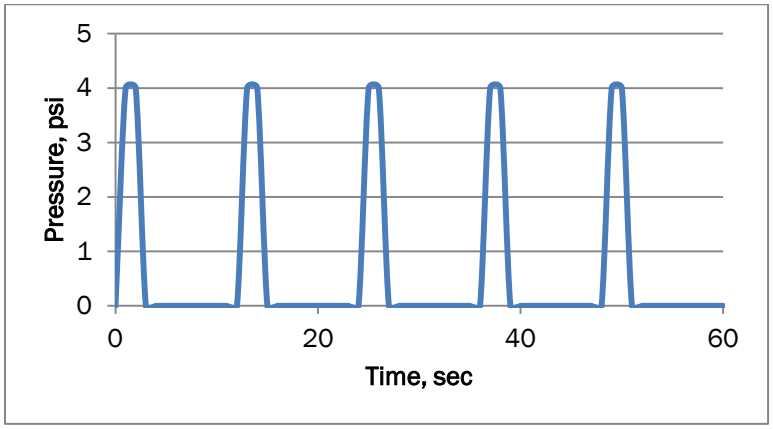
Appendix E: Incidents Associated with Generator Fuel Tank Leaks

Appendix F: Incidents Associated with [Riding or Push] Lawn Mower Fuel Hose Leaks

Appendix G: Incidents Associated with [Riding or Push] Lawn Mower Fuel Tank Leaks

APPENDIX A

GRALAB® 900 TIMER PROGRAMMING STEPS



To have a 110 VAC receptacle energized for 2 seconds ON and 10 seconds OFF in a continuous, indefinite loop, program the timer with this procedure:

KEYPAD TOUCHES	DISPLAY SHOWS…
“CLEAR”; “2”; “secs”	2.
“Memory Location Sequence”; “1”	5 1
“Function”; “Autostart”	F 2
“Audio”; “Tone”	A 0
“Display”; “High”	A 0
“Count”; “Up”	C 1
“Mem Loc”; “0”	02.0
“CLEAR”; “1”; “0”; “secs”	1 0.
“Memory Location Sequence”; “2”	5 2
“Function”; “Autostart”	F 2
“Audio”; “Tone”	A 0
“Display”; “High”	A 0
“Count”; “Up”	C 1
“Mem Loc”; “1”	10.0

To start → press “Start/Hold”

APPENDIX B

INCIDENTS ASSOCIATED WITH SNOWBLOWER FUEL HOSE LEAKS

Incident Report Number	Incident Date	Incident Narrative
H0520013A	1997-01-01	THE **FUEL** LINE ON THE SNOW THROWER **LEAK**ED WHILE IN THE GARAGE. CONSUMER FEELS THAT HIS SNOW THROWER PRESENTED THE SAME HAZARD AS THE RECALLED ONE. NO INJURY. **FIRE** HAZARD.
X0665001A to X0665547A	2005-01-24 to 2006-05-30	PROBLEM REPORTED WITH **FUEL** LINE DISCONNECTING FROM SNOWTHROWER ENGINE **FUEL** TANK. *[Same narrative contained in the incidents from 2005-01-24 to 2006-05-30]*
X0665030A	2005-11-10	PROBLEM REPORTED WITH **FUEL** LINE DISCONNECTING FROM SNOWTHROWER ENGINE **FUEL** TANK. WARRANTY RECEIVED - **FUEL** LINE FELL OFF TANK - SANDED TANK NIPPLE AND REINSTALLED **FUEL** LINE. - CONTACTED AND VERIFIED DOM. UNIT WAS BROUGHT INTO DEALER WITH HOSE OFF.
X0665008A	2005-11-17	PROBLEM REPORTED WITH **FUEL** LINE DISCONNECTING FROM SNOWTHROWER ENGINE **FUEL** TANK. RECEIVED FROM CT STORE - HOSE OFF. DEALER WILL REPLACE **FUEL** LINE & CLAMPS. RETURN **FUEL** LINE TO MFR
I0610209A	2005-12-27	THE **GAS** LINE HOSE ON SNOW BLOWER HAD COME OFF THE **FUEL** TANK & AND **GAS LEAK**ED ALL OVER THE GARAGE FLOOR. NO INJURY.
H0890024A	2006-01-02	CONSUMER REPORTS WHEN OPERATING THE SNOWTHROWER IN THE "ON" POSITION, THE **FUEL LEAK**S FROM THE **FUEL** LINE HOSE UNDER THE **GAS** TANK OF THE UNIT. NO INJURY. **FIRE** HAZARD.
I0620258A	2006-01-10	A SNOW THROWER WAS **LEAK**ING **GAS** IN THE GARAGE WHILE IT WAS NOT IN USE. THE **GAS** SUPPLY HOSE THAT RUNS FROM THE **GAS** TANK INTO THE MACHINE'S ENGINE WAS FOUND COMPLETELY UNATTACHED FROM THE CONNECTING NIPPLE ON THE TANK. NO INJURY. **EXPLO**SION HAZARD.
I0620338A	2006-01-18	THE **GAS** LINE HOSE ON SNOW BLOWER HAD COME OFF THE **FUEL** TANK & **GAS LEAK**ED ALL OVER THE GARAGE FLOOR. NO INJURY.
I0620218A	2006-02-11	A SNOW THROWER **LEAK**ED **GAS** ALL OVER THE GARAGE WHEN ITS RUBBER HOSE FELL OFF OF THE ENGINE. NO INJURY. SAFETY HAZARD.
X0665310A	2006-03-02	PROBLEM REPORTED WITH **FUEL** LINE DISCONNECTING FROM SNOWTHROWER ENGINE **FUEL** TANK. **LEAK**ED, HOSE DID NOT DISCONNECT COMPLETELY
X0665522A	2006-05-08	PROBLEM REPORTED WITH **FUEL** LINE DISCONNECTING FROM SNOWTHROWER ENGINE **FUEL** TANK. **LEAK**ED, CUSTOMER SANDED TUBE AND PUT HOSE BACK ON HIMSELF THEN FOUND OUT ABOUT THE RECALL, WILL STOP BY AND DOUBLE CHECK THE UNIT.
I0710032A	2007-01-02	**FUEL** LINE ON A SNOW THROWER DISCONNECTED & THE ENTIRE CONTENTS OF THE **GAS** TANK DRAINED ONTO THE GARAGE FLOOR CAUSING A FAMILY OF 5 TO FEEL NAUSEOUS.
I1010433A	2010-01-09	THE HOSE FOR THE **GAS** LINE, CONNECTING **GAS** TANK TO INLINE FILTER IN THE SNOW THROWER, SPLIT AND **GAS**OLINE SPILLED ALL OVER THE DRIVEWAY. IT WAS REVEALED THAT THE HOSE WAS SPLIT AT BOTH ENDS. THE FITTING AT THE TANK WAS TOO LARGE FOR THE HOSE.
H10C0417A	2010-11-01	MALE CONSUMER NOTICED AFTER PLACING SNOW THROWER BACK INTO THE GARAGE THAT HIS DRIVEWAY HAD BLACK MARKS ON IT & THOSE SAME BLACK MARKS WERE ON THE FLOOR TO THE GARAGE. AFTER TURNING THE SNOW THROWER OVER, HE NOTICED THAT **GAS**OLINE BEGAN POURING OUT.
I1110995A	2011-01-27	I was restarting my snow blower, and after priming it, a **fire** started under a shroud covering the engine. I could not immediately put it out as I could not get to the source of the **fire** (due to the shroud). The **fuel** line burned and the **fire** grew more intense. I finally pulled the should back far enough to throw some snow in and smother the **fire**.
I1240126A	2012-03-30	I bought a snow blower –, model –, serial – in 10/2010. I used it once in 3/2011 and followed the exact instructions in the manual before storage. Last week, I found **gas**oline **leak**ed out from the carburetor to my garage floor. This serial is not included in the recall but it should be because it has the same problem as those that were recalled.
H1310040A	2012-12-26	The consumer said that there were only two occasions that he used the snowblower after it was repaired in 2010. (12/26 /2012) The consumer stated that it snowed on 12/26. The consumer used the snowblower for about 40 minutes After he finished ,he placed it in the garage. About two hours later he went to the garage and discovered the **gas leak** which was mixed in with water. The consumer stated that the snowblower holds a gallon of **gas**. He thinks that maybe a pint or two had run out. He thinks that there is a design error on the snowblower. He stated that there was recall in 2007, but his model was not among those recalled (2/2012)The consumer took the snowblower into a – service center to have a **gas leak** repaired.

APPENDIX C

INCIDENTS ASSOCIATED WITH SNOWBLOWER FUEL TANK LEAKS

Incident Report Number	Incident Date	Incident Narrative
I03C0333A	2003-12-01	THE **GAS** TANK ON A SNOWTHROWER **LEAK**S AT THE SEAM. NO INJURY, **FIRE** HAZARD.
I04B0019A	2004-10-31	SNOWBLOWER **LEAK**ED **FUEL** WHEN IT WAS **FUEL**ED UP. IT'S **GAS** TANK HAD SPLIT IN 3 PLACES. NO INJURY. **FIRE** HAZARD.
I0520042A	2005-02-01	SNOW THROWER DID NOT START. OWNER FOUND THE **FUEL** TANK **CRACK**ED & **LEAK**ING. MANUFACTURER HAS RECALLED A SIMILAR SNOW THROWER WITH THE SAME **FUEL** TANK. NO INJURY. **FIRE** HAZARD.
I0630256A	2006-02-01	CONSUMER REPORTS THAT SNOW THROWER'S **GAS** TANK HAD SEVERAL **CRACK**S AT & AROUND THE SEAMS. NO INJURY. **FIRE** HAZARD.
I10B0447A	2006-12-13	SNOWBLOWER **LEAK**ED CLOSE TO A FULL TANK OF **GAS** ONTO GARAGE FLOOR. CONSUMER STATES IT **LEAK**ED **GAS** AFTER EACH USE. CONSUMER FOUND IT **LEAK**S AT THE SEAM & WHILE ORDERING A REPLACEMENT FOUND IT WAS RECALLED.
I0710541A	2007-01-22	A SNOW THROWER **LEAK**ED **GAS**OLINE ONTO THE GARAGE FLOOR. OWNER FOUND A HAIR LINE **CRACK** IN THE TOP OF THE **FUEL** TANK.
I07A0817A	2007-02-12	THE PLASTIC **FUEL** TANK OF A SNOW BLOWER **CRACK**ED & **LEAK**ED **FUEL**. NO INJURY.
I07C0122A	2007-12-01	47 YEAR OLD MALE CONSUMER REPORTS THAT THE SEAMS ON THE SIDE OF HIS SNOW THROWER'S **GAS** TANK **LEAK**ED, EXPOSING HIS FAMILY TO STRONG FUMES AND A **FIRE** HAZARD. NO INJURIES.
I07C0815A	2007-12-18	**GAS LEAK**ED FROM SNOWTHROWER DUE TO **CRACK**ED **GAS** TANK. NO INJURY.
I0810422A	2008-01-14	**GAS**OLINE **LEAK** FROM A SNOWBLOWER. IT WAS DISCOVERED THAT THERE WAS A **CRACK** IN THE GAS TANK. CONSUMER IS CONCERNED BECAUSE ITS NOT EASY TO DETECT THE **LEAK** SINCE THE **GAS** TANK IS ENCLOSED IS A SHROUD. NO INJURY. FIRE HAZARD.
I1110098A	2010-03-20	CONSUMER NOTICED THAT THE **GAS** TANK HAS TWO **CRACK**S IN SNOW THROWER THAT ALLOW CONSIDERABLE **LEAK**AGE OF **GAS**OLINE AFTER 20 HOURS TOTAL OPERATING.
X1050752A	2010-04-01	SNOW BLOWER **GAS** TANK HAS 2 **CRACK**S IN IT THAT ALLOW **GAS**OLING TO **LEAK** FROM THE TANK ONTO THE HOT ENGINE PARTS & IS VERY CLOSE TO THE EXHAUST SYSTEM. IT APPEARS THE **CRACK**S WERE CAUSED BY VIBRATION THAT **CRACK**ED THE TANK AT THE MOLDED JOINTS.
I1120096A	2011-02-03	I have a -- (Model --), Serial Number -- which I purchased on January 11, 2011. The unit has developed a rather significant **gas leak**. I placed a newspaper under the unit and approximately 30 minutes later there were 5 different "soak points", each of which was about 10 inches in diameter. I'm going to drain the unit of **gas** tonight and leave the garage door open a **crack** to prevent the buildup of **gas** fumes which could result in an **explo**sion (the home's furnace is in a mechanical room located in the garage).
I11C0209A	2011-11-26	I was preparing to start my snowthrower, and I noticed **gas**oline **leak**ing out all over my garage floor. To avoid a **fire** in my garage, I immediately pulled the machine out to the driveway. Upon inspection, I noticed that the plastic **fuel** tank is **crack**ed. This creates a potential for **fire** and injury. The **fuel** tank is fused/molded to the plastic shroud that covers the top of the machine. A **crack** developed where the tank & shroud meet. This appears to be a common problem, as -- recognized this hazard and issued a recall (release #06-224, 8/3/2006). However, the recall only applied to their 20" & 24" snowthrowers. The model I have is a 16" size, but the **fuel** tank/shroud design is very similar to the recalled models. I'm not sure why the smaller size was not included in the recall as it also appears to have the same defect.
I1340444A	2013-04-28	During initial oil change, I discovered the **fuel** line to the primer button to have **crack**s all over. This is up to a point, where traces of **fuel** are already visible outside the hose. During normal usage of the device, this hose is covered, and a **leak**/**fuel** build up could have taken place unnoticed. I bought the unit in 02/13 at a registered -- dealer, the unit was built 07/2012 per sticker on the unit. The unit has below 10 hours of usage.

APPENDIX D

INCIDENTS ASSOCIATED WITH GENERATOR FUEL HOSE OR VALVE LEAKS

Incident Report Number	Incident Date	Incident Narrative
X9972273A	1999-07-02	THE OWNER OF A GENERATOR REPORTS THE DESIGN OF A GENERATOR ALLOWS HOT PARTS TO CONTACT **FUEL** LINES. NO INJURY, OVERHEATING.
I99C0137A	1999-11-23	THE RUBBER **FUEL** LINE ON A GENERATOR CONTACTS AN EXHAUST BRACE DURING USE AND COULD RESULT IN A **LEAK** AND/OR **FIRE**.
H0080088A	2000-08-07	THE **GAS**OLINE HOSE HAD UNFASTENED FROM ITS **GAS** TANK FROM THE **GAS**OLINE POWERED GENERATOR, **LEAK**ING **GAS**OLINE ONTO THE CONCRETE GARAGE FLOOR AFTER IT HAD BEEN TURNED OFF FOR AN HOUR. NO INJURY. **FIRE** HAZARD.
I0240430A	2001-08-30	TWO, THREE YEAR OLD GENERATORS PLASTIC **FUEL** TANKS MELTED CAUSING **FUEL** TO **LEAK** ONTO GENERATORS & HOT ENGINES. ALSO THE MELTED PLASTIC IN **FUEL** LINE CONGEALS IN UNITS. NO INJURY. **FIRE** HAZARD.
I02B0344A	2002-11-06	**WHILE USING AN ELECTRIC GENERATOR, GASOLINE LEAKED FROM THE SHUT OFF VALVE. THE PLASTIC SHUT OFF VALVE & THE RUBBER HOSE IS LOCATED ALMOST DIRECTLY OVER THE GENERATOR'S MUFFLER. NO INJURY. FIRE HAZARD.**
I0560156A	2004-01-01	NEW GENERATOR WAS USED FOR 12 HOURS A YEAR AGO & THEN STORED IN A GARAGE. OWNER FOUND ITS **FUEL** LINE HAD A SIGNIFICANT AMOUNT OF CHAFING DUE TO VIBRATION DURING USE. UNIT POSES **FIRE** HAZARD AS ITS **FUEL** LINE RESTS AGAINST IT. NO INJURY.
H0580133A	2005-06-04	AFTER CONSUMER RAN A GENERATOR WITH **FUEL** TANK, CONSUMER NOTICED THAT THE **FUEL** LINE AREA WAS **LEAK**ING. NO INJURY.
X0665006A	2005-11-15	PROBLEM REPORTED WITH **FUEL** LINE DISCONNECTING FROM GENERATOR ENGINE **FUEL** TANK. 2 UNITS, BOTH LINES OFF WHEN RECEIVED, REPAIRED USING **FUEL** SHUT-OFF VALVES AND SHORT PIECES OF NEW **FUEL** LINE.
X0665260A	2006-02-21	PROBLEM REPORTED WITH **FUEL** LINE DISCONNECTING FROM GENERATOR ENGINE **FUEL** TANK. **LEAK**ED
I0810595A	2006-04-11	A CONSUMER REPORTS THAT HER HUSBAND SUSTAINED 1ST, 2ND, AND 3RD DEGREE BURNS TO HIS BODY AFTER THEIR PORTABLE GENERATOR **EXPLO**DED AS HE TRIED TO RESTART IT. A **FIRE** OFFICIAL DETERMINED THE UNIT HAD A **LEAK**ING **FUEL** LINE. $10,000 DAMAGE.
H0660089A	2006-06-07	A MAN WAS ATTEMPTING TO CHANGE THE FILTER ON A GENERATOR WHEN HE NOTICED THAT THE PLASTIC **FUEL** TANK WAS **LEAK**ING FROM 2 DIFFERENT AREAS. HE ALSO FOUND THAT THE **FUEL** LINE HAD ROTTED. NO INJURY.
H0840036A	2008-04-02	A MALE CONSUMER REPORTED THAT THE GENERATOR'S TANK AND ATTACHMENT THAT CONNECTS TO THE **FUEL** LINE ARE **LEAK**ING. NO INJURIES.
H0910137A	2009-01-10	A RUBBER OR SYNTHETIC PLUG THAT SITS IN THE BOTTOM OF THE **GAS** TANK GENERATOR WHICH CONNECTS TO THE **FUEL** LINE. THE PLUG DISINTEGRATED & IT DROPPED OUT OF THE BOTTOM OF THE **FUEL** TANK, RELEASING **GAS** TO SPILL ON THE GENERATOR. NO INJURY. **FIRE** HAZARD.
I1210559A	2012-01-22	WENT INTO MY GARAGE AND NOTICED SMELL OF **GAS**OLINE. FOUND LARGE **PUDDLE** OF **GAS**OLINE UNDER MY POULAN PRO 6600 HOME GENERATOR. I IMMEDIATELY SHUT OF THE **FUEL** LINE
H12C0016A	2012-10-29	(10/29/2012) The consumer stated that she started the generator with the remote,. The generator was located outside in the backyard at --. The generator was located about 12' from the house. The consumer stated that they ran a 50' extension cord from the generator into the house. She stated that she plugged in a lamp. The consumer's friend went downstairs to the basement to plug in another cord near the water pump. Before he could do that the consumer discovered that the lamp went out. The friend came upstairs and went outside to check the generator and saw that it was in **flam**es. The consumer stated that that it was very windy that day. Her friend got the water hose to put out the **fire** which started about 8;15pmbut the wind had blown the **fire** to the garage. The garage went up in **flam**es. The consumer stated that her daughter called the **fire** department. They were there in 10 minutes. The backside of the patio also caught on **fire**. The **fire** department had the **fire** out about 9pm. (10/31/2012) est.
I1380517A	2013-08-15	Purported to be new -- Diesel Generator developed a pin hole **leak** in high pressure **fuel** line **spray**ing diesel **fuel** on engine, on alternator, and on the ground. This could have very easily ignited and caught **fire**. This occurred after approximately 14 hours of operation. These units often operate unattended. I was lucky I caught the problem quickly.

APPENDIX E

INCIDENTS ASSOCIATED WITH GENERATOR FUEL TANK LEAKS

Incident Report Number	Incident Date	Incident Narrative
H9960053A	1999-03-01	**GAS**OLINE-POWERED GENERATOR **LEAK**ED **GAS**OLINE FROM **FUEL** TANK ONTO ITS ENGINE. **FUEL** TANK HAS A **CRACK**. NO INJURY, **FIRE** HAZARD.
H0140473A	2001-04-26	**GAS** STARTED **LEAK**ING WHEN A GENERATOR ENGINE WAS BEING TURNED "ON" FOR USE THE THIRD TIME. APPARENTLY PLASTIC FITTINGS HAD CAUSE A SPLIT IN THE **GAS** TANK. NO INJURY. **FIRE** HAZARD.
I0160470A	2001-06-12	THE OWNER OF A GENERATOR NOTICED **GAS**OLINE DROPPING ON THE TOP OF THE ENGINE, NEAR & ON THE SPARK PLUG. THE **LEAK** IS COMING FROM NEAR OR FROM THE TANK MOUNTING SCREW, WHERE THE TANK IS RUPTURED/**CRACK**ED. NO INJURY.
I0180327A	2001-08-20	GENERATOR **GAS** TANK OPENED UP AT THE SEAM AND SPILLED 7 GALLONS OF **GAS** IN THE GARAGE. NO INJURY. **FIRE** HAZARD.
I1090073A	2002-01-01	THE GENERATOR TANK SPLIT ALONG THE SEAM & **LEAK**S **GAS**. THE CONSUMER STATES THAT THE GENERATOR HAS TO BE OPERATED IN A TILTED CONDITION TO KEEP **GAS** FROM COMING OUT UNTIL THE TANK LOWERS. THE CONSUMER HAD 2 UNITS & BOTH HAD THE INDENTICAL PROBLEM WITH THE TANK.
H02A0244A	2002-10-21	PORTABLE GENERATOR STORED IN THE GARAGE FOR A LONG TIME **LEAK**ED **GAS**OLINE FROM THE SEAMS OF THE TANK. NO INJURY. **FIRE** HAZARD.
I03B0012A	2003-01-01	THE **FUEL** TANK ON A GENERATOR WAS FOUND TO BE **LEAK**ING **GAS** AT THE SEAM WHERE THE SCREW HOLDS THE TANK TO THE FRAME ASSEMBLY. NO INJURY. SAFETY HAZARD.
I0330322A	2003-02-27	DURING FIRST USE OF A PORTABLE GENERATOR, **GAS**OLINE WAS NOTICED **LEAK**ING FROM A SEAM IN THE TANK. NO INJURY, **FIRE** HAZARD.
I0370076A	2003-06-03	**ELECTRIC GENERATOR'S GAS TANK SEAM TURNED BRITTLE & CRACKED, ALLOWING GASOLINE TO DRIP ON MOTOR'S EXHAUST PIPE. NO INJURY. FIRE HAZARD. THE UNIT IS 4 YEARS OLD BUT HAS BEEN USED ONLY FOR 8 HOURS.**
H0370069A	2003-07-09	OWNER WAS MOVING GENERATOR WHEN **FUEL** BEGAN TO SPEW FROM IT'S PLASTIC **GAS** TANK. OWNER NOTICED TWO HOLES LOCATED ON THE SEAM. NO INJURY.
H0590100A	2004-08-15	THE GENERATOR'S **FUEL** TANK THAT SITS DIRECTLY OVER IT'S ENGINE IS **CRACK**ED & ALLOWS **FUEL** TO DRIP ONTO THE ENGINE. NO INJURY. OWNER FEELS THE UNIT POSES THE SAME HAZARD AS THE RECALLED ONE.
I0480444A	2004-08-25	**GAS**OLINE **LEAK**ED FROM THE TANK DURING GENERATOR USE. OWNER FOUND A **CRACK** IN THE PLASTIC **GAS**OLINE TANK. NO INJURY. **FIRE** HAZARD.
H04A0069A	2004-09-01	WHILE FILLING GENERATOR'S **GAS** TANK, OWNER NOTICED THAT THE **GAS** TANK WAS **LEAK**ING FROM ITS SEAMS. NO INJURY. **FIRE** HAZARD.
H0490280A	2004-09-22	GENERATOR'S **FUEL** TANK HAS DEVELOPED A **CRACK** IN ITS SEAM. NO INJURY. **FIRE** HAZARD.
H0510252A	2004-11-15	GENERATOR'S **GAS** TANK IS **LEAK**ING AT THE SEAMS. NO INJURY. **FIRE** HAZARD.
I04C0054A	2004-11-16	OWNER REPORTS GENERATOR'S SHUT OFF SWITCH BROKE. THE ONLY WAY TO TURN IT OFF WAS EITHER TO PULL THE SPARK PLUG WIRE OFF OR LET IT RUN OUT OF **GAS** WHEN THE **GAS** TANK SPLIT, **SPRAY**ING **GAS** IN A MIST. NO INJURY. **FIRE** HAZARD.
I0510370A	2005-01-01	PORTABLE GENERATOR'S **GAS** TANK WASN'T PROPERLY WELDED, CAUSING THE **GAS** TO **LEAK** FROM THE SEAMS. NO INJURY. POSES A **FIRE** OR **EXPLO**SION HAZARD.
I0540561A	2005-04-28	**GAS**OLINE **LEAK** AT SEAM ON PLASTIC TANK ATTACHED TO GENERATOR. NO INJURIES.
H0570098A	2005-07-10	**PORTABLE GENERATOR'S GAS TANK HAS CRACKS & IS LEAKING. NO INJURIES. FIRE HAZARD.**
H0570245A	2005-07-20	THE **FUEL** TANK ON THE CONSUMER'S GENERATOR IS **CRACK**ED. CONSUMER DID NOT DISCOVER THIS, UNTIL THE GENERATOR WAS IN USE. NO INJURIES.
G0590200A	2005-08-30	CONSUMER REPORTS THAT GENERATOR IS **LEAK**ING **GAS**OLINE FROM SEAM ON TANK. NO INJURY. **FIRE** HAZARD.
H0590297A	2005-09-24	OWNER OF A PORTABLE GENERATOR NOTICED THAT **FUEL** IS **LEAK**ING FROM THE SEAMS OF THE TANK WHEN HE **FUEL**ED THE GENERATOR FOR THE FIRST TIME. NO INJURY. **FIRE** HAZARD.
H0650022A	2005-10-01	CONSUMER REPORTS THAT GENERATOR IS **LEAK**ING **GAS**OLINE NEAR THE SEAM OF THE **FUEL** TANK. NO INJURY. **FIRE** HAZARD.

I05A0449A	2005-10-01	OWNER OF A GENERATOR REPORTS THAT **GAS**OLINE IS **LEAK**ING FROM AROUND THE SEAM OF THE **FUEL** TANK WHERE IT SITS ON THE FRAME JUST OVER & BEHIND THE MUFFLER. NO INJURY. **FIRE** HAZARD.
H05B0332A	2005-10-24	OWNER FOUND A **CRACK** IN THE GENERATOR'S PLASTIC **GAS** TANK DURING USE. THE UNIT WAS UNDER RECALL, HOWEVER OWNER HAD NOT BEEN NOTIFIED. OWNER WANTS TO BE REIMBURSED FOR A NEW **GAS** TANK HE PURCHASED. NO INJURY.
H05C0003A	2005-11-15	A **GAS**OLINE POWERED GENERATOR WAS RUNNING IRREGULARLY. OWNER FOUND THAT HE HAD TO ACCESS THE **FUEL** SUMP TO REMOVE WATER THAT MIXED IN WITH THE **FUEL**. A GOUGE & A **CRACK** WERE FOUND WHERE THE **FUEL** LINE WAS CONTACTING THE AIR CLEANER HOUSING. NO INJURY. CO HAZARD.
H0610143A	2006-01-01	WHILE USING A PORTABLE GENERATOR, OWNER FOUND **GAS**OLINE WAS **LEAK**ING ONTO THE TOP OF ENTIRE ENGINE. OWNER DISCOVERED A SPLIT AT THE SEAM OF PLASTIC **GAS** TANK. NO INJURY. **FIRE**/**EXPLO**SION HAZARD.
H0640104A	2006-02-15	A GENERATOR STORED IN THE GARAGE **LEAK**ED **GAS**OLINE FROM THE SEAMS OF THE TANK. NO INJURY. **FIRE** HAZARD.
I0680660A	2006-08-27	**GAS** TANK ON GENERATOR **LEAK**ED AT SEAM WHILE PUTTING **GAS** IN IT DURING FIRST ATTEMPT TO USE.
I06A0119A	2006-09-30	PLASTIC FACE OF **GAS** GAUGE ON GENERATOR **CRACK**ED IN SEVERAL PLACES & APPEARED TO DISSOLVE IN **GAS**OLINE/OIL **FUEL** MIXTURE. THIS ALLOWS **GAS**/OIL MIXTURE TO ESCAPE **FUEL** TANK & RUN ONTO HOT MUFFLER COVER WHILE IN USE. **FIRE** HAZARD. NO INJURY.
I0720198A	2007-01-10	**WHEN CONSUMER BEGAN TO FILL THE FUEL TANK OF GENERATOR, GASOLINE STARTED LEAKING OUT OF A SMALL CRACK NEAR THE BOLT WHICH FASTENS THE TANK TO THE FRAME. NO INJURY. FIRE HAZARD.**
N0720245A	2007-01-15	A MAN WAS INJURED IN A **FIRE** THAT IGNITED WHILE HE WAS RE**FUEL**ING A GENERATOR. THE PILOT LIGHT OF A **GAS** HOT WATER HEATER IGNITED **FUEL** ESCAPING FROM A **CRACK** IN THE GENERATOR. THE HOUSE WAS A TOTAL LOSS.
H0740064A	2007-04-06	**GAS TANKS OF GENERATOR WAS SPLIT OPEN. NO INJURY.**
I0790727A	2007-09-20	WHILE USING A NEW GENERATOR, OWNER NOTICED **GAS** WAS **LEAK**ING UNDER THE GENERATOR. OWNER REMOVED THE ACCESS PANEL & FOUND THAT BOTH **FUEL** LINES HAS **CRACK**S. OWNER HAD A SIMILAR EXPERIENCE WITH ANOTHER GENERATOR PURCHASED EARLIER IN THE DAY. NO INJURY.
H0870154A	2008-07-14	CONSUMER WAS SERVICING HIS PORTABLE GENERATOR & WHEN HE FILLED THE **FUEL** TANK UP WITH **GAS** HE NOTICED THE **GAS** ODOR. CONSUMER INSPECTED THE **FUEL** TANK & NOTICED A WET SPOT ON SEAM. THE **GAS** TANK WAS **LEAK**ING AT THE SEAM RIGHT ABOVE THE MUFFLER. NO INJURY.
I08C0405A	2008-12-16	UPON FILLING THE **FUEL** TANK OF A **GAS** GENERATOR WITH THE **GAS**/OIL MIXTURE, ALL OF THE ADDED **FUEL LEAK**ED OUT OF A HOLE ALONG A RUSTED SEAM ON THE UNDERSIDE OF THE **FUEL** TANK, DIRECTLY ONTO THE EXHAUST. NO INJURY OCCURRED. **FIRE** HAZARD.
I0940699A	2009-04-25	ATTEMPTED TO TURN OFF **GAS**OLINE VALVE ON MY GENERATOR. THE WHOLE VALVE FELL OUT OF THE TANK ALLOWING **GAS**OLINE TO RUN DOWN OVER THE HOT ENGINE. I GRABBED A BUCKET & CAUGHT THE **FUEL**. THE TANK, I FOUND NUMEROUS **CRACK**S AND SOME SMALL **LEAK**S.
I0960085A	2009-06-01	CONSUMER FILLED GENERATOR WITH **GAS**OLINE & OBSERVED THE **GAS** DRIPPING ON TO THE ENGINE. THERE WAS A SMALL **CRACK** NEAR THE FRONT RIGHT TANK BOLT MOUNT, PRESENTING A **FIRE** HAZARD.
I0980975A	2009-06-05	BRAND NEW **GAS** POWERED GENERATOR HAD VERY LARGE **LEAK** IN **FUEL** TANK, APPARENTLY CAUSED BY A SPLIT IN THE METAL. THE GENERATOR WAS **FUEL**ED UP FOR USE AND ALL 4 GALLONS OF **GAS** POURED OUT FROM THE BOTTOM OF THE UNIT SOAKING THE MACHINE AND THE TRUCK IT WAS SITTING IN.
I09A0062A	2009-09-20	CONSUMER NOTICED **FUEL** TANK **LEAK**AGE AT MOUNTING BOLT AREA IN THE POWER GENERATOR AND STRESS **CRACK**S AROUND TWO OF THE ANCHOR NUTS. ALL 10 GALLONS OF **GAS**OLINE **LEAK**EDOUT IN THE ENCLOSED GARAGE CAUSING A POTENTIAL **FIRE** HAZARD.
I10C0376A	2010-12-07	**GAS** TANK ON GENERATOR SEEMS TO HAVE **CRACK**S APPEAR & THEN ALLOWS **GAS** TO FLOW OUT.
I1111026A	2011-01-02	I bought this -- Generator on 1/02/1999. It is model # ---3 and it has a date of 11-23-98 on a sticker on the frame. I have not used this product other than to put a small amount of **gas** in it to start it to make sure it runs if I do need it. I may have started it four times since I bought it. I bought it in case we got a bad ice storm and the power would go off so I could run my furnace. Well, Wednesday February 2, 2011 might be that day. They are calling for heavy ice, so I put **gas** in the tank, about three quarters full and started it up. All of a sudden I see this thing smoking so I shut it off. Here there is **gas** running everywhere from the seam of the **gas** tank, and it was running down on the exhaust muffler. Lucky the thing wasn't hot or it would have caught **fire**. I went online to see if there were other complaints and I find a couple of alerts put out by CPSC. Why was I not notified by -- at that time. When I bought it at --
I1190375A	2011-08-27	This safety concern request is to expand and include all generators using the **gas**oline tanks that were involved in previous recalls regardless of date of manufacture. Even though these recalls do not currently cover our generator, we have discovered that other owners as well as ourselves, have experienced the identical problem as noted in these recalls. Our research indicates **crack**s in these **gas**oline tanks seem to appear after about 100 to 150 hours of generator usage. Since this product is used mostly for backup emergency electrical power, it will depend on the user's number and duration of power failures, as to how soon these **gas**oline tank **crack**s will appear. Our generator's tank **crack**s appeared at 108 hours of proper usage. In short, these tanks are very likely to fail due to a design flaw

		and the way they are attached to the generator's frame. Therefore, at some point it appears that **gas**oline will **leak** onto the engine below.
H1180347A	2011-08-28	The consumer filled the generator up with **gas**oline when he noticed that the **gas**oline was pouring out of the tank. After he carefully examined the tank he noticed that there was a **crack** about a quarter of an inch long on the tank. While doing some research online the consumer noticed there was a recall (see release #02-067) where other models had experienced the same failure as he had. He went to a supply center(name of center was not provided) and the representative that he spoke with advised the consumer that the **fuel** tank was on back order. The consumer placed the order for the **fuel** tank and has placed the generator back into his garage. He indicated that he when the **fuel** tank comes in that he would make the repairs himself.
I1190544A	2011-08-28	Borrowed this generator from a neighbor to drive a sump-pump. Neighbor had received this as a gift over a year ago, so I was the first one to unpack it from the shipping box and use. Generator worked flawlessly for the 3 hours of use. After using, I placed the generator in my garage. The next morning I found a pool of **gas** on the floor. The **gas** cutoff valve had **crack**ed near it's attachment to the tank and was **leak**ing. I see at -- another incident of **gas leak**ing from the cut-off valve of this generator was reported. This generator also lacks a Ground Fault Interrupter.
X11B0612A	2011-08-28	My -- generator's **gas** tank started **leak**ing just after I filled it and turned it on. My neighbor came and helped me turn it off before it caught **fire**! He pointed out the **crack**s on the **gas** tank where it is bolted to the frame. I have been calling the company and getting the run around since my initial conversation on September 12, 2011 when I found out on the US government site that this has been recalled. First the representative stated that my generator qualifies for a free replacement tank but then said they were out pf replacement **gas** tanks. Then they gave me a number of a business in the next town over -- that would install the tank when they came in because that was the only way they would guarantee it. I called him on Oct. 3, 2011 and he said he would call if the tank comes in. I called -- after a couple weeks and he said he isn't doing business with -- any more because they are such a bad company.
I11A0434A	2011-10-06	I bought a -- Portable 4000 watt Generator Model # -- Serial number # -- in 2006, and started it up about every 3 months to do whatever maintenance was required, and to make sure it worked properly in case of an emergency situation. In October 6, 2011 when I started the Generator, I noticed it was **leak**ing **gas**oline from the plastic (4) gallon **gas**oline tank, I turned it off and discovered the **gas**oline tank had a **crack** at one of the (4) holes where it bolted to the generator frame. I drained the **gas** tank and removed it from the frame and discovered the mounting holes of the **gas**oline tank did not line up with the holes on the Generator frame. It appears that the people at the factory forced the bolt through the **gas** tank into the frame and thus withing (4 +) years caused a stress **crack** in the **Gas**oline tank at the bolt location that would not align. The Generator has a total of approximately (5) hours run time since I purchased it.
I11C0438A	2011-10-29	I filled the **Fuel** tank after a power outage and it started **leak**ing so was unsafe for use. after examination I noticed the plastic **fuel** tank ears that mounted it to the frame of the generator had **crack**ed and was **leak**ing.I could not use the product and the power outage lasted a week.
I11B0632A	2011-11-24	Rotted **gas** line on electrical generator sold by -- stores. I purchased my -- generator new just over a year ago, it has only been utilized about two hours and has always been stored in garage when not in use. During a recent power outage I moved the generator outside and proceeded to turn on the **fuel** cock valve (in order to start generator) at which point I noticed **gas leak**ing very badly at both ends of **gas** line between cock valve and carburetor. I removed and replaced all **gas** lines. Upon inspection of the faulty line it would appear that the line has rotted and **crack**ed in several places on both ends. In my opinion the manufacturer has used automotive windshield washer fluid hose instead of the appropriate **gas** rated hose. I feel this product defect could place consumers property and/or lives at risk due to the potential **fire** danger this issue may cause if not reported and/or acted upon. I reported the problem to the Courtenay, B.C. -- store where I purchased it.
H12A0166A	2012-10-16	The consumer says he came home he smelled **gas**. He tracked it down to the **fuel** filter that had a hairline **crack** in it which caused **gas**oline to **leak** out of the unit. He says that the generator or the **fuel** filter was never misused. He says the unit only has eight hours of usage on it. The consumer contacted the manufacturer this morning who is sending out a replacement filter and hose. They mentioned that it's something that is happening and they are aware of it.
I1420137A	2012-11-26	-- Portable Generator began **leak**ing after only one use. Within weeks **fuel** was **leak**ing out of the carburetor and the air filter line was **crack**ed in several places.
I1390025A	2013-09-02	This is regarding an extremely hazardous defect in a portable generator: a -- Dual **Fuel** Generator by -- - and sold by -- The Dual **Fuel** generator operates on either **gas**oline or LP (Liquid Propane). The generator is --, manufactured 2010-10-19. Although I bought it around February 2012 I have used it only for periodic testing for a total running time of about 5 hours. The defect is that the hose (about 16" long) between the pressure regulator and the carburetor has developed **crack**s that cause the propane to **leak**. There are many **crack**s in the middle of the hose, and the end of the hose connected to the pressure regulator has **crack**ed open completely. The hose appears to be a standard **gas**oline

		hose. From what I have read, using **gas**oline hose for propane is a real No No. The use of a **gas**oline hose causes exactly the **crack**s that my hose
H13B0183A	2013-11-18	The caller stated that the generator started **leak**ing **gas**oline from the tank he feels that he is experiencing similar problems of Release# 00-047-CPSC and DAPC are investigating whether the **fuel** tanks on the generators can **crack** where the tanks mount on the frame, posing a **fire** hazard. This started occurring a few days ago after using it for over 10 years. The manufacturer was not contacted as yet.He feels that this generator is unsafe and should be reported. The model number is not affected by a recall.

APPENDIX F

INCIDENTS ASSOCIATED WITH [PUSH OR RIDING] LAWN MOWER FUEL HOSE LEAKS

Incident Report Number	Incident Date	Incident Narrative
X9772265A	1997-06-14	THE **FUEL** HOSE LOOSENED ON A GARDEN TRACTOR SPILLING **GAS** INTO THE ENGINE AFTER **FUEL**ING. NO INJURY. ALSO PARKING BRAKE IS DEFECTIVE.
X98B0523A	1997-07-08	A RIDING LAWN MOWER CAUGHT **FIRE** AFTER USE. THE ORIGIN MAY HAVE BEEN NEAR THE **FUEL** LINE. NO INJURY. PROPERTY LOSS: $899.87.
X9863718A	1998-04-28	A **GAS** POWERED RIDING LAWN MOWER CAUGHT ON **FIRE** WHILE IN USE AND WAS PROBABLY DUE TO THE **FUEL** LINE. ESTIMATED PROPERTY LOSS: $2,160. NO INJURIES
H0040374A	1998-09-01	AN ADULT MALE NOTICED STRONG SMELL OF **GAS**OLINE COMING FROM HIS TRACTOR. HE FOUND A HOLE IN THE FLEXIBLE **FUEL** LINE BETWEEN **GAS** TANK AND TRACTOR. NO INJURY.
X0020353A	1999-04-06	A MALE, AGE 59, DIED OF BURNS TO HIS BODY RECEIVED WHEN A **FUEL** LINE ON A RIDING POWER MOWER THE MALE WAS OPERATING CAUGHT **FIRE**. .
H0080243A	1999-07-01	**FUEL SPILLED OUT OF THE GAS TANK ON A LAWN TRACTOR DURING USE. THE RIDGED PLASTIC NIPPLE THAT CONNECTS TO THE GAS LINE HOSE WAS FOUND MELTED. SAME THING HAPPENED ON A REPLACEMENT GAS TANK. SAME THING HAPPENED 6 WEEKS LATER ON ANOTHER REPLACEMENT GAS TANK.**
H99B0222A	1999-09-01	A MAN AND HIS WIFE, BOTH AGE 52, HAVE RECEIVED MINOR BURNS FROM SMALL **FIRE**S STARTED AFTER **GAS**OLINE **LEAK**ED FROM A HOSE ON A **GAS** POWERED LAWN TRACTOR.
X0183515A	2000-04-01	A MALE SUFFERED BURNS TO HIS HAND, ARM & STOMACH WHEN HIS TRACTOR CAUGHT **FIRE** WHILE CUTTING GRASS. THE CAUSE OF THE **FIRE** RESULTED FROM THE IGNITION OF **GAS**OLINE VAPORS DUE TO A FAILURE OF THE **FUEL** LINE.
X0152175A	2000-04-01	A RIDING LAWN MOWER CAUGHT **FIRE** WHEN THE **FUEL** LINE FAILED AND **GAS**OLINE VAPOR IGNITED DURING USE. A MAN SUFFERED BURNS TO HIS RIGHT HAND & TORSO. DAMAGE: $2,255,00.
X00A4953A	2000-06-26	A MALE, AGE 27, WAS WORKING ON A OLD TRACTOR IN THE FAMILY GARAGE WHEN THE NEWLY MADE **FUEL** LINE **EXPLO**DED. CAUSE OF DEATH SEPSIS FROM THE THERMAL BURNS.
0018004917	2000-07-03	WORKING ON AN ANTIQUE TRACTOR AND **FUEL** LINE **EXPLO**DED. THERMAL BURNS. AUTOPSY-YES.
X0162430A	2000-10-20	OWNER NOTICED RIDING LAWN MOWER STARTED SMOKING AND **GAS SPRAY**ED FROM THE **FUEL** LINE AFTER USE. NO INJURY. DAMAGE: #2,000. REF # 14-C116-681.
H0230375A	2001-01-01	A RIDING LAWN MOWER'S **FUEL** LINE SEPARATED FROM THE ENGINE'S CARBURETOR DURING USE. NO INJURY.
X0162439A	2001-03-17	A RIDING LAWN MOWER CAUGHT **FIRE** DURING USE. INSURED BELIEVES **FUEL** LINES MAY BE TOO CLOSE TO EXHAUST. NO INJURY.
X0790376A	2001-05-29	(1) THE RIDING LAWN MOWER CATCH **FIRE**. THE CAUSE OF THE **FIRE** IS THE **FUEL** FILTER CONNECTION AT THE HOSE LOST ITS INTEGRITY AND THE PLASTIC HOUSING BEGAN **LEAK**ING CAUSING THE **FUEL** TO **LEAK** ONTO HOT ENGINE PARTS. NO INJURY. PROPERTY LOSS:$6800.
I0170459A	2001-07-21	THE OWNER OF A LAWN TRACTOR REPORTS THE **FUEL** LINE IS TOO SHORT WHICH RESULTED IN PART FAILURE AND **GAS**OLINE RUNNING DOWN ON THE CHASSIS. NO INJURY, **FIRE** HAZARD.
H0190252A	2001-09-13	SMOKE & **FLAM**ES DISPERSED FROM THE HOOD & REAR OF THE ENGINE COMPARTMENT OF THE RIDE ON LAWN MOWER DURING USE. A MALE, AGE 68, PULLED MUSCLE IN LOWER BACK WHEN HE JUMPED FROM THE MOWER. MOWER'S **FUEL** LINE HAD BROKEN.
H0220247A	2002-02-18	**WHILE PUTTING GASOLINE IN THE RIDING POWER LAWN MOWER'S TANK OWNER FOUND CRACKS IN THE RUBBER FUEL LINE. NO INJURY. FIRE HAZARD.**
I0240267A	2002-04-18	**FUEL LEAK**ED FROM A LAWN TRACTOR. CONSUMER NOTICED THAT THE PLASTIC NIPPLE WHICH MEETS THE **FUEL** TANK WAS FOUND **CRACK**ED. OWNER FEELS ROUTING OF THE **FUEL** LINE CAUSES FATIGUE. NO INJURY.

G0250220A	2002-05-07	**OWNER WAS CHECKING THE MOWER'S FUEL LINES WHEN GAS SPRAYED ALL OVER CAUSING A FIRE THAT DESTROYED A BARN. NO INJURY.**
X1080030C	2002-06-01	THE **FUEL** LINE OF THE RIDING LAWN MOWER WAS REPLACED BETWEEN TANK & FILTER.
I0280378A	2002-07-01	ON TWO DIFFERENT OCCASIONS, **GAS**OLINE **LEAK**ED OUT FROM THE **FUEL** TANK ON A POWER LAWN MOWER DURING USE. OWNER NOTICED A SERIOUS **CRACK** AROUND THE HOLE WHERE THE **FUEL** PASSES OUT INTO THE **FUEL** LINE. NO INJURY.
H0460107A	2002-07-01	A WOMAN WAS GETTING READY TO RIDE A LAWN TRACTOR WHEN SHE SMELLED A **GAS**OLINE ODOR AND DISCOVERED THAT THE **GAS** TANK'S **FUEL** LINE NEAR THE CARBURETOR WAS **LEAK**ING. NO INJURY. **FIRE** HAZARD.
I0350044A	2003-05-04	**GAS**OLINE WAS FOUND **LEAK**ING FROM THE **FUEL** LINE AND THE **FUEL** TANK WAS FOUND **CRACK**ING ON A LAWN TRACTOR. SIMILAR TRACTORS HAVE BEEN RECALLED FOR THE PROBLEM. NO INJURY, **FIRE** HAZARD.
I03A0417A	2003-07-01	LAWN TRACTOR'S **GAS** TANK **CRACK**ED WHERE THE **FUEL** LINE ENTERS THE TANK & **LEAK**ED **GAS** ONTO GARAGE FLOOR. THE UNIT HAD NOT BEEN USED FOR THE PAST 3 MONTHS. THE UNIT WAS NOT INCLUDED IN THE RECALL. NO INJURY.
I03A0087A	2003-09-07	THE **FUEL** LINE ON A RIDING LAWN TRACTOR SOMEHOW BECAME CUT AND IT IGNITED DURING USE. NO INJURY.
H0440045A	2004-03-07	RIDING LAWN MOWER'S **GAS** TANK EITHER BECAME COMPLETELY DISCONNECTED OR DANGLED FROM THE **FUEL** LINE DURING USE. THE UNIT THEN STOPPED AFTER THERE WAS NO **FUEL** IN THE LINE. ON ANOTHER OCCASION **GAS** TANK COMPLETELY DETACHED. NO INJURY. **FIRE** HAZARD.
X0790395A	2004-03-15	INSURED HAD FINISHED MOWING THE YARD AND PARKED THE RIDING LAWN MOWER WHEN THE INSURED FOUND THE WIRING HARNESS SMOKING. THIS CAUSED THE **FUEL** LINE TO MELT & CATCH **FIRE**. NO INJURY. PROPERTY LOSS: $6793.00 CLAIM: D389-138
I0450233A	2004-04-10	RIDING LAWN MOWER'S **FUEL** LINE CAUGHT ON **FIRE** WHILE IN USE. NO INJURY.
G0470005A	2004-06-23	A MAN WAS ON A RIDING LAWN MOWER WHEN IT BEGAN TO SPUTTER & THEN QUIT. HE NOTICED THAT THE SQUEEZE CLAMP HOLDING THE **GAS** LINE FROM THE TANK TO THE ENGINE HAD WORKED ITS WAY OFF. **GAS LEAK**ED ALL OVER THE ENGINE. HE STATED THAT THE HOSE WAS POSSIBLY TOO SHORT.
I0470027A	2004-06-29	PUSH LAWN MOWER'S **FUEL** LINE "ROTTED" & THE **GAS** TANK SPLIT, SPILLING **FUEL** ONTO HOT ENGINE DURING USE. NO INJURY. **FIRE** HAZARD.
I0480385A	2004-08-10	OWNER SMELLED A STRONG **GAS**OLINE ODOR IN HIS GARAGE AND NOTICED THAT THE **FUEL** LINE CONNECTS WITH THE **GAS** TANK OF A RIDING LAWN MOWER WAS **LEAK**ING. THE TANK WAS **CRACK**ED AND THE **FUEL** LINE INTACT. NO INJURY.
I04A0497A	2004-10-25	**GAS LEAK**ED FROM THE FRONT OF LAWN TRACTOR DURING USE. THE **GAS** WAS **LEAK**ING FROM A **CRACK**ED **FUEL** LINE THAT RAN DIRECTLY OVER THE MUFFLER.
H04B0101A	2004-10-28	OWNER'S GARAGE EMITTED A STRONG **GAS**OLINE ODOR. OWNER FOUND **GAS**OLINE WAS **LEAK**ING FROM THE GARDEN TRACTOR'S **FUEL** LINE & DROPPING ONTO THE GARAGE FLOOR. NO INJURY. **FIRE** HAZARD
I0550115A	2005-03-26	LAWN TRACTOR COULD NOT START, SPEWED BLUE SMOKE. LEFT ON THE LAWN OVERNIGHT, TRACTOR **LEAK**ED A FULL TANK OF **GAS**OLINE THROUGH THE **FUEL** LINE INTO THE CRANKCASE AND OVERFLOWED TO THE LAWN. NO INJURIES.
H0540289A	2005-04-09	RIDING LAWN MOWER **LEAK**ED **FUEL** DURING USE. OWNER REPLACED THE RUBBER TUBE ON THE **FUEL** LINE BUT THE PROBLEM PERSISTED. THERE WAS A **CRACK** IN THE PLASTIC **GAS** TANK NEAR THE TIP WHERE IT INSERTS INTO THE **FUEL** LINE. NO INJURY.
I0540551A	2005-04-17	**LAWN TRACTOR CAUGHT FIRE. FUEL LINE RUPTURED AND THE HOT ENGINE IGNITED THE FUEL. NO INJURIES.**
I0550221A	2005-05-14	OWNER OF A RIDING MOWER REPORTS THAT THE **GAS**OLINE **FUEL** LINE INTO THE LEFT **FUEL** TANK(UNIT HAS TWO TANKS) CAME LOOSE FROM THE TANK WHERE IT ENTERS THE TANK. THIS CAUSED THE TANK TO BE OPEN AT THE POINT & **LEAK GAS**. NO INJURY.
I0560323A	2005-06-18	WHEN RIDING MOWER/ GARDEN TRACTOR WAS STARTED, ITS **FUEL** LINE FAILED, **SPRAY**ING **GAS**OLINE ONTO THE ENGINE & CAUSING A **FIRE**. THE **FUEL** LINE LEADING FROM THE FILTER & THE CARBURETOR WERE SEVERELY **CRACK**ED & WERE IN CLOSE PROXIMITY TO ENGINE. NO INJURY.
I0640490A	2006-04-20	ON THREE SEPARATE OCCASIONS, A WALK-BEHIND POWER MOWER'S **FUEL** LINE CAME OFF, PROBABLY DUE TO VIBRATION. FULL TANKS OF **GAS** SPILLED & SPLASHED ONTO A HOT ENGINE. THE DEFECT IS CAUSED BY THE LACK OF A RAISED LIP ON THE OUT TUBE OF THE **FUEL** TANK. NO INJURY.
X0665467A	2006-04-27	PROBLEM REPORTED WITH **FUEL** LINE DISCONNECTING FROM LAWNMOWER ENGINE **FUEL** TANK. **LEAK**ED

X0665472A	2006-05-01	PROBLEM REPORTED WITH **FUEL** LINE DISCONNECTING FROM LAWNMOWER ENGINE **FUEL** TANK. **LEAK**ED
H0680110A	2006-05-01	A **FUEL** LINE BECOMES DETACHED ON RIDING LAWN MOWER AND CREATES A **FIRE** HAZARD. NO INJURY.
X0665489A	2006-05-04	PROBLEM REPORTED WITH **FUEL** LINE DISCONNECTING FROM LAWNMOWER ENGINE **FUEL** TANK. **LEAK**ED
H0650054A	2006-05-05	POWERED RIDING LAWN MOWER'S HOSE, WHICH IS SUPPORTED BY A CLAMP, HAD POPPED OFF DUE TO PRESSURE IN **GAS** TANK, SPILLING **GAS** ALL OVER THE GARAGE. NO INJURY. **FIRE**/**EXPLO**SION HAZARD.
X0665530A	2006-05-22	PROBLEM REPORTED WITH **FUEL** LINE DISCONNECTING FROM LAWNMOWER ENGINE **FUEL** TANK. **LEAK**S
H0660211A	2006-05-24	**GAS** HOSE ON GARDEN TRACTOR IS DISCONNECTING FROM THE **FUEL** TANK, CAUSING **GAS** TO SPILL ONTO THE ENGINE. NO INJURY. **FIRE**/**EXPLO**SION HAZARD.
H0660088A	2006-05-30	WHILE USING A RIDING LAWN MOWER, **FUEL SPRAY**ED ALL OVER THE MOWER. THE **GAS** HOSE SLIDES OFF OF THE MOWER'S **FUEL** TANK. CONSUMER STATES THAT THERE ARE NO RIDGES OR GROOVES TO KEEP THE HOSE ATTACHED TO THE TANK. NO INJURY. **FIRE** HAZARD.
H0660049A	2006-06-01	OWNER OF A LAWN TRACTOR REPORTS THAT ALL OF THE **GAS**OLINE IN THE TRACTOR'S **FUEL** TANK HAD DRAINED OUT ONTO HIS GARAGE FLOOR.IT WAS FOUND THAT THE HOSE TO THE ENGINE CAME OFF OF THE TANK. NO INJURY. **FIRE** HAZARD.
I0660052A	2006-06-03	A NEW RIDING LAWN MOWER FAILED TO WORK WHILE IN USE. THE **GAS FUEL** LINE DISCONNECTED FROM THE **GAS** TANK & POURED **FUEL** ALL OVER THE HOT ENGINE. NO INJURY. **FIRE** HAZARD.
H0660191A	2006-06-03	A RIDING LAWN MOWER STARTED SPUTTERING & WOULD CUT OFF WHILE IN USE. CONSUMER ATTEMPTED TO RESTART THE MOWER, BUT IT WOULD CUT OFF AGAIN SHORTLY AFTER IT WAS STARTED. THE DEALER STATED THAT THE **FUEL** LINE WAS PINCHED. NO INJURY. SAFETY HAZARD.
H0660234A	2006-06-05	THE HOSE THAT IS ATTACHED TO THE RIDING LAWN MOWER'S **FUEL** TANK CONTINUOUSLY SLIPPED OFF, CAUSING THE **GAS** TO SPILL OUT FROM THE **FUEL** TANK. CONSUMER REATTACHED THE HOSE, BUT IT CONTINUED TO BECOME DETACHED FROM THE TANK. NO INJURY.
I0660236A	2006-06-10	**FUEL** LINE ON A LAWN TRACTOR CAME LOOSE DURING OPERATION, SPILLING **FUEL** ONTO AREA OF HOT ENGINE BLOCK. NO INJURY. **FIRE** HAZARD.
I0660185A	2006-06-11	**GAS LINE HOSE ON A LAWN TRACTOR HAD SLIPPED OFF THE GAS TANK NIPPLE, CAUSING THE GASOLINE TO SPILL. NO INJURY. FIRE HAZARD.**
H0660166A	2006-06-11	THE **FUEL** LINE ON A RIDING LAWN MOWER POPPED OFF OF THE MOWER, ALLOWING **GAS** TO **LEAK** ALL OVER CONSUMER'S HOME. NO INJURY. **FIRE** HAZARD.
I0670135A	2006-06-13	A BRAND NEW LAWN TRACTOR WAS **LEAK**ING FROM ITS TANK. CONSUMER FOUND THAT THE **FUEL** LINE TO THE **GAS** TANK WAS NOT FULLY CONNECTED, WHICH ALLOWED **GAS**OLINE TO **LEAK** OUT. NO INJURY. **FIRE** HAZARD.
H0680093A	2006-06-15	**A FUEL LINE SLIPPED OFF CAUSING GAS TO SPEW ON THE CONSUMER AND TRACTOR'S ENGINE. NO INJURY. FIRE HAZARD.**
I0660279A	2006-06-18	LAWN TRACTOR SUDDENLY SHUT OFF DURING USE & IT WAS DISCOVERED THAT THE **FUEL** LINE WAS DISCONNECTED & **GAS**OLINE WAS POURING OUT ONTO THE ENGINE, MOWER DECK & **LEAK**ING ONTO THE FOOT REST. NO INJURY. **FIRE** HAZARD.
I0660315A	2006-06-18	THE OWNER OF A LAWN TRACTOR REPORTS THAT THE **FUEL** LINE SEPARATED FROM THE TANK, WHICH RESULTED IN **FUEL** RUNNING ONTO THE MOWER DECK. NO INJURY, **FIRE** HAZARD.
I0660375A	2006-06-20	**FUEL** LINE ON A RIDING LAWN MOWER CAME LOOSE, SPILLING **GAS** ON THE HOT ENGINE. THE SAME HAPPENED AFTER LAWN MOWER TANK'S WAS FILLED & MACHINE WAS PARKED FOR THE NEXT USE. NO INJURY. **FIRE** HAZARD.
I0670010A	2006-07-01	THE OWNER OF THE ROTARY LAWN MOWER REPORTS THAT THE **FUEL** LINE CONNECTING THE ENGINE TO THE **FUEL** TANK VOLUNTARILY SEPARATED AT THE CONNECTION AND CAUSED **FUEL LEAK**. NO INJURY. **FIRE** HAZARD.
H0670083A	2006-07-05	OWNER OF A RIDING LAWN MOWER REPORTS THAT THE **FUEL** LINE THAT COMES OUT OF THE HOUSING & CONNECTS TO THE CARBURETOR, POPPED OFF. NO INJURY. **FIRE** HAZARD.
I0670169A	2006-07-07	OWNER OF A GARDEN TRACTOR REPORTS THAT HOSE TO **FUEL** TANK SLIDES OFF EVEN WHEN CLAMPED & **FUEL** CAN POUR OUT. NO INJURY. **FIRE** HAZARD.
I0680362A	2006-07-11	A **FUEL** LINE DID COME OFF OF LAWN TRACTOR AND DUMPED A TANKFUL IN CONSUMER'S SHED. NO INJURY. **FIRE** HAZARD.
H0680010A	2006-07-30	**A FUEL LINE SEPARATED FROM FUEL TANK OF A TRACTOR AND FUEL SPILLED OUT ONTO CONSUMER'S FLOOR. NO INJURIES. FIRE HAZARD.**

H0680079A	2006-08-02	**A FUEL LINE ON A POWERED LAWN MOWER DETACHED FROM ENGINE. NO INJURIES.**
H0680099A	2006-08-02	CONSUMER FEELS THAT HIS RIDING POWER LAWN MOWER PRESENTS A **FIRE** HAZARD WHEN **FUEL** LINE FALLS OFF. NO INJURY.
I0680115A	2006-08-05	**GAS**OLINE DRIPS ON A ROTARY LAWN MOWER WHERE THE **FUEL** LINE CONNECTS WITH THE **GAS** TANK CREATING A POSSIBLE **FIRE** HAZARD. NO INJURY.
H0690016A	2006-08-31	CONSUMER SAW A SPOT ON **FUEL** LINE OF A RIDING LAWN TRACTOR. AFTER TOUCHING THE **FUEL** LINE IT DISINGRATED. CONSUMER BELIEVES THIS IS A **FIRE** HAZARD.
H0690263A	2006-09-27	CONSUMER WAS POURING **GAS** INTO RIDING LAWN MOWER'S **FUEL** TANK WHEN HE NOTICED A STRONG **GAS** ODOR. HE REMOVED THE **FUEL** LINE AND DRAINED THE **GAS** FROM THE **FUEL** TANK. HE REMOVED THE **FUEL** TANK AND NOTICED **GAS**OLINE DRIPPING FROM IT. NO INJURY. **FIRE** HAZARD.
I0740189A	2007-04-07	TRACTOR LAWN MOWER CAUGHT ON **FIRE** AT **FUEL** LINE AT FRONT CORNER OF THE MOWER. NO INJURY.
I0750076A	2007-05-05	A LAWN TRACTOR'S **FUEL** LINE IS LOCATED IN BETWEEN THE TANK & THE ENGINE. IT WAS HANGING DOWN WHERE IT WAS RUBBING AGAINST THE MOWER DECK DRIVER BELT & PULLY. FRICTION WORE THROUGH THE **FUEL** LINE & **FUEL** WAS SPILLED ONTO THE BLADE & MOWER DECK. **FIRE** HAZARD.
C0760017A	2007-06-01	A TRACTOR HAS **FUEL** TANKS ON BOTH THE LEFT & RIGHT FENDER & THEY ARE CONNECTED BY RUBBER **FUEL** LINES. THE **FUEL** LINES ARE SECURED TO THE FENDERS WITH CLAMPS, WHICH HAVE CUT THROUGH THE **FUEL** LINES ON BOTH SIDES & CAUSED RAPID **LEAK**AGE OF **FUEL**. NO INJURY. **FIRE** HAZARD.
I0770125A	2007-07-06	A RIDING MOWER HAS A **FUEL LEAK** AROUND **GAS** TANK AT HOSE NIPPLE. NO INJURIES.
H0840084A	2007-07-15	A MALE CONSUMER REPORTED THAT HIS LAWN TRACTOR'S **FUEL** TANK WAS **LEAK**ING. HE REMOVED THE TANK AND APPLIED AN ADHESIVE TO SOLVE THE PROBLEM. THE TANK BEGAN **LEAK**ING AGAIN RECENTLY, ALONG WITH THE **FUEL** LINES. NO INJURIES.
C07A0025A	2007-10-01	A GARDEN TRACTOR **LEAK**ED **FUEL** FROM THE BOTTOM OF THE TANK WHERE THE **FUEL** LINE CONNECTS. THE **FUEL** TANK WAS FOUND **CRACK**ED WHERE THE **FUEL** LINE CONNECTS TO IT. THE TANK WAS UNDER RECALL, HOWEVER, OWNER WAS NEVER NOTIFIED OF THE RECALL. NO INJURY.
I07B0472A	2007-11-12	THE **FUEL** LINE RUNNING FROM THE **FUEL** TANK AT THE REAR OF THE TRACTOR TO THE **FUEL** FILTER IN THE ENGINE COMPARTMENT IS SEVERLY **CRACK**ED AND ROTTING ALONG THE ENTIRE LENGTH OF THE HOSE. NO INJURY.
I0850144A	2008-04-01	A MALE CONSUMER REPORTED THAT THE RIDING, POWERED LAWN MOWER HAS A **FUEL LEAK** FROM A **FUEL** LINE. NO INJURIES.
X0850586A	2008-05-08	**THE OWNER OF TWO LAWN MOWERS REPORTS THAT THE FUEL LINES ON BOTH OF THE MOWERS HAVE TO BE INFERIOR FUEL LINES FROM THE FUEL PUMP TO THE CARBURETOR. THE LINES ON BOTH OF MOWERS HAVE DISINTEGRATED & GAS LEAKED DOWN ON THE MUFFLERS. NO INJURY.**
I0860010A	2008-05-31	OWNER OF A POWER LAWN MOWER EXPERIENCED SOFTENING OF THE HOSE AT THE **GAS** TANK FITTING, CAUSING THE HOSE TO SLIDE OFF AND A MASSIVE GES **LEAK**. LAWN MOWER WAS WINTERIZED BY ADDING A TANKFUL OF FRESH **GAS**OLINE & **GAS** STABILIZER.NO INJURY.
I0870280A	2008-06-12	WHILE MOWING ON A RIDING LAWN MOWER CONSUMER SAW **GAS** POURING FROM A **FUEL** LINE JUST ABOVE THE CENTER PULLEY ON THE MOWING DECK. THE **FUEL** LINE HAD BEEN FRAYED BY THE CENTER DECK PULLEY. NO INJURY.
I0870523A	2008-07-04	WHILE CONSUMER WAS MOWING THE GRASS FOR ABOUT 45 MINUTES AFTER STARTING THE LAWN MOWER, THE **FUEL** LINE BROKE AT THE **FUEL** PUMP AREA, SPILLING **GAS**OLINE AT HIGH PRESSURE ONTO THE HOT ENGINE AREA. NO INJURY. **FIRE** HAZARD.
H1140167A	2008-07-11	Ride on mower purchased Summer of 2005, no problems until Summer of 2008. Summer of 2008 anything caught in clipping catcher would fly out catching are whether it was on or not. Seat should be engaged when sitting on seat and disengage when getting off but it wasn't working thereby posing a safety hazard to rider and anyone nearby. Summer of 2010 ride one lawnmower would no longer turn on with key, caller repaired ignition in this case. Summer of 2010 the hoses that go from the **fuel** pump to the **gas** tank were **leak**ing, caller's husband repaired these. Safety issue posed is constant repair of small issues that could present themselves as hazards. Caller has noted that many do not have the capacity to repair and could be in danger if any of these issues were to go unnoticed or not repaired and would like this lawnmower replaced or repaired at either retailer or manufacturer expense.
H0890236A	2008-08-30	WHILE USING A RIDING LAWN MOWER, CONSUMER NOTICED THAT **FUEL** WAS SPILLING FROM THE UNIT. CONSUMER DISCOVERED THAT THE HOSE CONNECTING TO THE CARBURETOR WAS SPLIT, CAUSING **FUEL** TO ESCAPE. NO INJURY. **FIRE** HAZARD.
0827028257	2008-09-27	DECEASED WAS WORKING ON A TRACTOR WHEN A **FUEL** LINE IGNIIGNITED. CARDIORESPIRTORY COMPLICATIONS OF THERMAL INJURIES. TRACTOR **FIRE**. AUTOPSY-YES.
I08B0059A	2008-10-30	THE **FUEL** TANK PLASTIC OUTLET ON A RIDING LAWN MOWER BROKE OFF, CAUSING THE **FUEL** LINE TO SEPARATE FROM THE **FUEL** TANK. **FUEL** SPILLED OUT.

I0950043A	2009-01-01	**FUEL** TANK OF A RIDING MOWER HAS DEVELOPED **CRACK** NEAR **FUEL** LINE. **FUEL** IS DIRECTED TOWARDS REAR OF ENGINE BY FOLLOWING THE **FUEL** LINE PATH.
I0940500A	2009-04-18	56 YEAR OLD CONSUMER POURED **GAS**OLINE INTO 3.5 GALLON MOWER **FUEL** TANK AND IT **LEAK**ED OUT, COMPLETELY EMPTYING THE TANK. UPON THE BOTTOM OF THE MOULDED PLASTIC TANK HAS A **CRACK** WHERE THE 1/4" **FUEL** LINE ATTACHES
X1080030S	2010-04-21	**FUEL** LINE OF THE RIDING LAWN MOWER WAS HANGING DOWN TOUCHING DECK, PINCHED LINE WITH HOLE IN **FUEL** LINE.
X1080029K	2010-04-22	THE **FUEL** LINE OF THE LAWN TRACTOR WAS TOO LONG & WORE INTO.
X1080030Q	2010-04-28	**FUEL** LINE OF THE RIDING LAWN MOWER WAS TOO LONG & FELL DOWN ON THE BELT & BURN A HOLE IN THE LINE.
I10A0414A	2010-05-01	CONSUMER REPORTS THAT HE NOTICED THAT THE BELT ON THE LAWN TRACTOR WAS DAMAGING THE **FUEL** LINE AND CAUSING **GAS**OLINE TO **LEAK** OUT.
X1080029E	2010-05-01	THERE WAS A HOLE ON THE **FUEL** LINE OF THE RIDING LAWN MOWER.
X1080030D	2010-05-02	**FUEL** LINE OF THE RIDING POWER LAWN MOWER WAS REPLACED. LINE WAS MISROUTED & HIT PULLEY.
X1080029C	2010-05-03	THE **FUEL** LINE OF THE RIDING LAWN MOWER WAS **LEAK**ING.
X1080029A	2010-05-03	THE **FUEL** LINE OF THE RIDING LAWN MOWER CAME IN CONTACT WITH BELT & WAS CUT.
X1080029N	2010-05-03	CONSUMER REPLACED ENTIRE **FUEL** LINE FROM TANK TO FILTER OF THE RIDING LAWN MOWER.
X1080030J	2010-05-04	DRIVE BELT CUT A HOLE ON THE **FUEL** LINE OF THE RIDING LAWN MOWER.
X1080030B	2010-05-05	**FUEL** HOSE OF THE RIDING LAWN MOWER CUT AT REAR DECK HANGER.
X1080029P	2010-05-05	THE **FUEL** LINE OF THE RIDING LAWN MOWER HANGING TOO LOW & RUBBING ON DECK PULLEY.
X1080029Q	2010-05-05	**FUEL LINE OF THE RIDING LAWN MOWER WAS TOO LONG & WAS RUBBING ON DECK BELT.**
X1080030N	2010-05-05	THERE WAS A HOLE IN **FUEL** LINE OF THE RIDING LAWN MOWER.
X1080029M	2010-05-06	REPLACED THE **FUEL** LINE FROM THE RIDING LAWN MOWER.
X1080029D	2010-05-07	THE **FUEL** LINE FROM **FUEL** TANK OF THE RIDING LAWN MOWER WAS TOO LONG & NOT PROPERLY INSTALLED. BELT WORE HOLE IN **GAS** LINE.
X1080029O	2010-05-08	**FUEL** LINE OF THE RIDING LAWN MOWER WAS TOO CLOSE TO BELT, CAUSING CUT TO LINE & **FUEL LEAK**ING.
X1080029B	2010-05-10	THE **FUEL** LINE OF THE RIDING LAWN MOWER WASN'T ROUTED PROPERLY & DRIVE BELT RUBBED A HOLE THROUGH IT.
X1080030G	2010-05-10	**FUEL** LINE OF THE RIDING MOWER HAD A HOLE ON IT.
X1080029F	2010-05-11	REPLACED **FUEL** LINE DUE TO LINE HANGING TOO LOW & RUBBING ON DECK PULLEY OF LAWN TRACTOR.
X1080030I	2010-05-12	DECK BELT RUBBED ONTON **FUEL** LINE OF THE RIDING LAWN MOWER, CAUSING **GAS**T TO **LEAK** ALL OVER DECK BELT.
X1080029S	2010-05-12	**FUEL** LINE OF THE RIDING LAWN MOWER WAS TOO LONG & WAS RUBBING AGAINST PULLEY. EVENTUALLY WORE A HOLE IN LINE.
X1080029H	2010-05-15	**FUEL** LINE OF THE RIDING LAWN MOWER WAS TOO LONG & RUBBED A HOLE IN IT. WHEN MOWER DECK IS ALL THE WAY UP, THE HOSE HITS THE PULLEY.
X1080029I	2010-05-15	**FUEL** LINE OF THE RIDING LAWN MOWER WAS TOO LONG & RUBBED A HOLE IN IT. WHEN THE MOWER DECK IS ALL THE WAY UP, THE HOSE HIT THE PULLEYS.
X1080029H	2010-05-15	**FUEL** LINE OF THE RIDING LAWN MOWER WAS TOO LONG & RUBBED A HOLE IN IT. WHEN MOWER DECK IS ALL THE WAY UP, THE HOSE HITS THE PULLEY.
X1080029I	2010-05-15	**FUEL** LINE OF THE RIDING LAWN MOWER WAS TOO LONG & RUBBED A HOLE IN IT. WHEN THE MOWER DECK IS ALL THE WAY UP, THE HOSE HIT THE PULLEYS.
X1080029L	2010-05-17	THE **FUEL** LINE OF THE RIDING LAWN MOWER WAS TOO LONG & RUBBED AGAINST DECK.
X1080030H	2010-05-17	**FUEL** LINE OF THE RIDING LAWN MOWER WAS TOO LONG, RUBBING ON BELT.
X1080029R	2010-05-18	THE **FUEL** LINE OF THE RIDING LAWN MOWER WAS ADJUSTED.
X1080030K	2010-05-21	THE **FUEL** LINE OF THE RIDING LAWN MOWER WAS RUBBED A HOLE ON IT.
X1080030M	2010-05-24	**FUEL HOSE OF THE RIDING LAWN MOWER WAS HANGING DOWN FROM FRAME & CAME IN CONTACT WITH MOWER BELT.**
X1080030A	2010-05-25	**FUEL** HOSE OF THE RIDING LAWN MOWER WAS **LEAK**ING.
X1080030V	2010-05-26	**FUEL** LINE OF THE RIDING LAWN MOWER CAME DOWN & RUBBED ON DRIVE BELT.

X1080030E	2010-05-27	DECK PULLEY RUBBED & CUT LONG **FUEL** LINE OF THE RIDING LAWN MOWER.
X1080030R	2010-05-27	**FUEL** LINE OF THE RIDING LAWN MOWER WAS DAMAGED.
X1080030W	2010-05-27	**FUEL** LINE OF THE RIDING LAWN MOWER WAS DAMAGED & DUMPED **FUEL** ONTO LAWN.
I1060137A	2010-05-29	THE CONSUMER NOTICED THAT THE **GAS** WAS DRIPPING FROM THE RIDING MOWER DUE TO THE CUT OF THE RUBBER HOSE FROM THE **GAS** TANK TO THE ENGINE.
X1080030P	2010-05-29	**FUEL** LINE OF THE RIDING LAWN MOWER WAS RUBBING BELT ON DECK & WAS **LEAK**ING.
X1080030T	2010-06-02	**FUEL** LINE OF THE RIDING LAWN MOWER MADE CONTACT WITH DRIVE BELT.
X1080030U	2010-06-02	**FUEL** LINE OF THE RIDING LAWN MOWER CAME DOWN & RUBBED ON DRIVE BELT.
X1080030X	2010-06-14	**FUEL** HOSE OF THE RIDING LAWN MOWER WAS TOO LONG, FALLING DOWN & RUBBING ON DECK BELT. THERE WAS A HOLE WORN IN IT.
I1080819A	2010-08-21	CONSUMER REPORTS THAT WHILE MOWING WITH THE GARDEN TRACTOR, HE KEPT SMELLING **GAS** FUMES. FOUND THAT THE PLASTIC **FUEL** TANK UNDER THE SEAT HAD A **CRACK** NEAR THE PORT WHERE THE **FUEL** LINE CONNECTS TO THE TANK.
H1180008A	2011-07-30	Consumer stated that his Lawn tractor is a potential **fire** hazard as the product is **leak**ing **gas** from the **fuel** line. The consumer stated that the product has been doing this for a couple weeks but had not noticed it until last Saturday (6-30-2011) when he removed the housing of the tractor to see the **leak**age. The consumer has yet to call the retailer. The consumer bought the product in July of 2006 and has had no prior problems with the product. The consumer has not experienced any smoking or **fire** from the product. The product appears to show no structural damage. The consumer stated the product is normally placed in his storage shed after use and has seen that the **gas** of the product has **leak**ed onto the wooden floor of the storage shed, where there are other combustible items. The consumer began doing research for parts where he found a recall on the product in release --.
I1180105A	2011-08-04	-- Riding Lawn Tractor -- Serial # -- connection in **fuel** tank to **fuel** line came out dumping a full tank of **gas** on the ground causing a **fire** hazard and possible injury to the operator The newer models of the -- Riding Lawn Tractor have a new designed **gas** tank **fuel** line arrangement.
I1190003A	2011-09-01	-- Tractor, Model --, Serial # -- was recently purchased from --; it was delivered to me August 23, 2011. Mowed once with it and noticed that it used an unusually large amount of **Gas**. However, I did not smell **gas** so I chalked it up to a larger engine, etc. Used it again to pull a small yard cart around the yard yesterday, August 31, 2011. Smelled **gas** and then when I engaged the blades, the tractor ran for about 50 yards and then stalled out. Looked down and saw **gas** on the mower deck. Looked underneath the tractor at the **fuel** line and saw it was cut, directly above one of the metal pulleys -- and it was also not secured to the frame in any way, leaving an extra length of line hanging. There is no doubt in my mind that this is the same scenario described in a previous recall.
I11A0714A	2011-10-07	Purchased brand new 2011 -- Garden Tractor (Model# --) from -- dealer 10/1/2011. Used for the first time 10/7/2011 and this is when the following occurred. Received with a full tank of **gas**oline (4 gal.) After mowing for apoprox. one (1) hour, machine quit running. OUT OF **GAS** !! Couldn't believe it used up so much **gas** in 1 hour. Re-filled tank and then decided to look under machine to see how much **gas** was in the translucent plastic tank. **Gas** was pouring out of the **fuel** line--no way to stop it. Immediately hosed everything off with water. Anyone smoking or a spark near this would have been disastrous!! I observed visually that the affected **fuel** line was not only too long, but it had never been tied up out of the way of moving steel parts (namely when the mower deck was raised to a higher position, the rubber **fuel** line became pinched between pieces of steel) and ruptured. Called the dealer.
H1250283A	2012-03-03	The consumer was using the lawn mower when the left side **gas** tank caught on **fire**. He jumped off of it, but it burned up the seat. The lawn mower did not have much **fuel** in it so the **fire** burned out on its own. It did burn up the other **gas** tank before going out. The consumer says he was riding the lawn mower for ten to fifteen minutes before the incident occurred. He contacted the manufacturer via email who told him that nothing has been recalled and is no longer under warranty. He bought the mower with 171 hours on it and it caught on **fire** at 216 hours. He saw an online report of one consumer needing the **fuel** lines replaced.
I1240170A	2012-04-08	We purchased a -- 42" Riding Mower in 2009 at --. Here the model number -- and the Serial Number --. On 4/8/2011 about 11am central time. My boyfriend was cutting the yard on one hot morning, suddenly the MOWER stop; pop with a loud noise and suddenly **flam**es was coming from under the hood, just giving him seconds to escape. We start putting water on the **fire** to put it out but the **fuel** line rapture from the heat so we couldn't do nothing until the **fire** dept. got there. We also called 911 at the same time while trying to put the **flam**es out.

I12A0014A	2012-09-30	-- model -- lawn tractor. Main **fuel** line can contact drive belt for mower section resulting in damaged **fuel** line and severe **fuel leak** onto top of mower unit. Any spark and mower could catch **fire** and/or **explo**de. I'm lucky to be alive right now. I have photos if you wish. It is likely that this problem exists with any -- riding mower that has the **fuel** tank under the driver's seat. This is similar to --. It would appear that, two years later, -- is NOT repairing the defect and is continuing to sell product with this potentially deadly flaw. Perhaps it's time for a mandatory recall?
I1340087A	2013-04-06	-- Lawn Tractor 27 HP 48" Cut Model --; the main **fuel** line sits against the drive belt causing, which burns through the **fuel** line causing **fuel** to **leak** all over the hot engine. This could have resulted in a large **fire** and burns to the driver.

APPENDIX G

INCIDENTS ASSOCIATED WITH [PUSH OR RIDING] LAWN MOWER FUEL TANK LEAKS

Incident Report Number	Incident Date	Incident Narrative
H9660060A	1996-05-01	A BOY, AGE 14, WAS BURNED ON HIS LEGS WHEN A SEAM ON THE **GAS** TANK OF HIS **GAS** OPERATED PUSH LAWN MOWER SPLIT DURING USE AND **EXPLO**DED. THE **GAS** TANK ALSO SPLIT ON AN IDENTICAL MOWER, BUT NO INJURY OCCURRED.
C9860017A	1997-08-01	CONSUMER HAS HAD SEVERAL PROBLEMS W/NEWLY PURCHASED **GAS** POWERED WALK BEHIND LAWN MOWER. THE IDLE CONTROL RUNS WIDE OPEN,MENT, IT STOPS RUNNING AFTER A FEW SECONDS OF INITIAL START-UP AND HAS A CONSIDERABLE **GAS LEAK** ALONG THE TOP SEAM OF THE **GAS** TANK.
I9790011A	1997-09-04	COMPLAINANT STATES THAT PLASTIC **GAS** TANK OF LAWNMOWER IS **CRACK**ED AND **LEAK**ING IN AREA OF MOUNTING BOSS WHICH ATTACHES TANK AND COVER TO ENGINE. **GAS PUDDLE** NOTICED IN GARAGE. NO INJURY.
G9840178A	1998-04-20	DURING FIRST USE OF THE SEASON, THE **GAS** TANK SPLIT AT THE SEAMS ON A WALK BEHIND LAWN MOWER. NO INJURY.
X9863626A	1998-04-23	A 10 YEAR OLD **GAS** POWERED RIDING LAWN MOWER CAUGHT ON **FIRE** BECAUSE THERE MAY HAVE BEEN A **CRACK** IN THE RUBBER **GAS** LINE. ESTIMATED PROPERTY LOSS: $950. NO INJURY.
I9880046A	1998-07-01	THE PLASTIC **GAS** TANK ON A **GAS** POWERED PUSH MOWER SPLIT NEAR THE SUPPORT CLIPS ALLOWING **GAS** TO **LEAK** OUT OF THE AIR FILTER HOUSING AND ON THE MOWER DECK. NO INJURY.
H9940153A	1998-09-01	**GAS**OLINE **LEAK**ING FROM THE TANK'S SEAM OF A POWERED WALK BEHIND LAWN MOWER PRESENTS A **FIRE** HAZARD. NO INJURY.
I0330193A	1999-01-01	**LAWN TRACTOR'S FUEL TANK CRACKED AND LEAKED FUEL. THE SAME INCIDENT HAPPENED ON A REPLACEMENT FUEL TANK. THE UNIT SHOULD BE INCLUDED IN THE RECALL. NO INJURY.**
I0030177A	1999-06-05	A 46 YEAR OLD MALE REPORTS THAT HIS RIDING LAWN MOWER HAD A **CRACK** IN THE INTAKE MANIFOLD, CAUSING **GAS** TO **LEAK** ONTO THE HOT ENGINE AND IGNITE. RESULTING HOUSE AND GARAGE **FIRE** CAUSED $25,000 DAMAGES. NO INJURY.
H0040191A	2000-04-08	A CONSUMER'S ROTARY POWERED PUSH LAWNMOWER STARTED **LEAK**ING **GAS** FROM THE **FUEL** TANK. CONSUMER REPLACED HOSE AND **FUEL** TANK BEFORE THE **LEAK**ING STOPPED.
I0050156A	2000-05-14	A 39 YR OLD MALE OBSERVED, HIS RIDING MOWER HAS **FUEL LEAK**ING FROM **FUEL** TANK ONTO STARTER SOLENOID, ELECTRICAL WIRING, AND ELECTRICAL CONNECTIONS. HE INSPECTED THE TANK AND FOUND **CRACK**S AT SEPARATE AREAS OF BOTTOM SECTION.
I0430386A	2001-01-01	MOWER'S **GAS** TANK **LEAK**ED **GAS** FROM THE SEAM WHERE THE TWO PARTS ARE WELDED AFTER 3 WEEKS OF USE. OWNER REPAIRED THE **LEAK** WITH A HIGH TEMP SILICONE **GAS**KET. NO INJURY. **FIRE** HAZARD.
I01B0343A	2001-01-01	A 35 YEAR OLD MALE REPORTS THAT THE **FUEL** TANK ON HIS RIDING LAWN MOWER WAS EMPTY AND THERE WAS A **CRACK** IN THE TANK CAUSING **FUEL** TO **LEAK** OUT. NO INJURY.
H0450180A	2001-04-01	WHILE FILLING A LAWN TRACTOR'S **GAS** TANK, OWNER NOTICED THAT THE **GAS** WAS SPILLING FROM THE **GAS** TANK. THE SAME INCIDENT OCCURRED SEVERAL TIMES. OWNER DISCOVERED THAT THE **GAS** WAS **LEAK**ING AT THE SEAM OF THE REPLACEMENT **GAS** TANK. NO INJURY. **FIRE** HAZARD.
H0220132A	2001-04-21	**THE GAS TANK ON A WALK BEHIND GAS POWERED SELF PROPELLED LAWN MOWER WAS FOUND LEAKING BECAUSE IT WAS CRACKED. OWNER REPORTS ANOTHER TYPE OF MOWER HAS BEEN RECALLED BECAUSE OF THE SAME PROBLEM.**

I0160100A	2001-06-01	**A LAWN MOWER GAS TANK LEAKS AT THE SEAM. NO INJURY. OWNER REPORTS COMPANY WAS FINED AND THINKS THERE SHOULD BE A RECALL.**
I0170095A	2001-06-01	**THE FUEL TANK ON A WALK BEHIND LAWN MOWER STARTED LEAKING AT THE SEAM. NO INJURY OR DAMAGE.**
I0160481A	2001-06-29	A WALK BEHIND LAWN MOWER HAS THE PLASTIC **GAS** TANK MOUNTED DIRECTLY OVER THE ENGINE. THE SEAM ON THE TANK CAN AND WILL SPLIT, PRESENTING A **FIRE**/**EXPLO**SION HAZARD. NO INJURY. OWNER FEELS IT SHOULD BE RECALLED.
I0190088A	2001-08-31	**TEN GALLONS OF GASOLINE LEAKED OUT ONTO THE FLOOR FROM THE FUEL TANK ON A NEW LAWN MOWER. NO INJURY. FIRE/ EXPLOSION HAZARD. OWNER WAS NOT INFORMED BY THE COMPANY ABOUT THE SPLITTING TANK PRIOR TO THE PURCHASE.**
I0240435A	2001-09-01	THE PLASTIC **FUEL** TANK ON A WALK BEHIND LAWN MOWER STARTED **LEAK**ING AT THE SEAM. NO INJURY OR DAMAGE.
I0190082A	2001-09-07	LAWN TRACTOR'S **FUEL** TANK DEVELOPED **CRACK**S AROUND ITS HORIZONTAL PERIMETER & AT THE BOTTOM, CAUSING **LEAK**AGE. NO INJURY. **FIRE** AND **EXPLO**SION HAZARD.
H0280048A	2001-10-21	LAWN TRACTOR'S **FUEL** TANK WAS **CRACK**ED & **LEAK**ED **GAS**OLINE. NEW REPLACEMENT **GAS** TANK ALSO **LEAK**ED **GAS**OLINE FROM THE SEAM IN THE CENTER OF THE **GAS** TANK. NO INJURY. **FIRE** HAZARD.
H0630102A	2001-12-01	A RIDING LAWN MOWER'S **FUEL** TANK IS **LEAK**ING AT THE SEAL. THE **GAS** TANK WAS FOUND SPLIT AT THE SEAM. NO INJURY.
I01C0274A	2001-12-18	THE **FUEL** TANK ON A REPLACED WALK BEHIND LAWN MOWER STARTED **LEAK**ING AT THE SEAL. ALSO THERE IS A SMALL HAIRLINE **CRACK** IN THE PLASTIC. NO INJURY OR DAMAGE.
I0350056A	2002-01-01	THE **GAS**OLINE TANK ON A POWER LAWN MOWER **LEAK**ED **GAS**OLINE THROUGH A SEAM. NO INJURY.
I0420297A	2002-01-01	A POWER LAWN MOWER'S **GAS** TANK **LEAK**ED **GAS** EITHER AT THE SEAMS OR THE WELD, AND ONTO THE ENGINE AND THE BASE OF THE UNIT. NO INJURY. THE **GAS** TANK HAD BEEN REPLACED, AND IT NEEDS TO BE REPLACED AGAIN.
H0230070A	2002-02-01	RIDING LAWN MOWER **LEAK**ED **FUEL** DURING USE. THE **FUEL** TANK'S OUTLET PIPE HAD A 1 1/2" **CRACK**. NO INJURY. **FIRE** HAZARD.
H0220247A	2002-02-18	**WHILE PUTTING GASOLINE IN THE RIDING POWER LAWN MOWER'S TANK OWNER FOUND CRACKS IN THE RUBBER FUEL LINE. NO INJURY. FIRE HAZARD.**
C0280036A	2002-03-01	LAWN TRACTOR'S **FUEL** TANK **CRACK**ED & **LEAK**ED **FUEL** ON OWNER'S GARAGE FLOOR. THE UNIT SHOULD BE INCLUDED IN THE RECALL. NO INJURY.
I0230248A	2002-03-15	LAWN MOWER'S **FUEL** TANK **CRACK**ED AND **LEAK**ED **FUEL** ON HOT ENGINE PARTS. NO INJURY. MOWER IS NOT INCLUDED IN THE RECALL.
H0230245A	2002-03-16	RIDING LAWN MOWER **LEAK**ED **GAS**OLINE AFTER USE. THE SEAM LOCATED HORIZONTALLY ACROSS **GAS** TANK HAD SEPARATED. NO INJURY. **FIRE** HAZARD.
H0240344A	2002-04-09	OWNER SENSED A **GAS** ODOR & FOUND A HOLE AT THE SEAM OF THE RIDING LAWN MOWER'S **GAS** TANK, CAUSING THE **GAS** TO **LEAK**. NO INJURY. **FIRE** HAZARD.
H0240205A	2002-04-11	A **CRACK** WAS FOUND IN THE TANK OF A **GAS** OPERATED WALK BEHIND LAWN MOWER AND THE OWNER NOTICED **GAS**OLINE DRIPPING OVER THE MOWER'S ENGINE DURING USE. NO INJURY. POSES A **FIRE** HAZARD.
I0240218A	2002-04-13	ROTARY POWER LAWN MOWER'S **FUEL** TANK HAS **CRACK**ED & **LEAK**S **FUEL**. NO INJURY. BURN OR **FIRE** HAZARD.
I0240267A	2002-04-18	**FUEL LEAK**ED FROM A LAWN TRACTOR. CONSUMER NOTICED THAT THE PLASTIC NIPPLE WHICH MEETS THE **FUEL** TANK WAS FOUND **CRACK**ED. OWNER FEELS ROUTING OF THE **FUEL** LINE CAUSES FATIGUE. NO INJURY.

X0640138A	2002-04-20	A **GAS** TANK **CRACK**ED AND **LEAK**ED ON A 3 YEAR OLD RIDING LAWN MOWER. THE PROPERTY LOSS: $11,300.21. CLAIM #--
H0350172A	2002-05-01	**GAS** WAS **LEAK**ING FROM A RIDING LAWN MOWER'S **FUEL** TANK. OWNER INSPECTED THE **GAS** TANK AND DISCOVERED THAT IT WAS **CRACK**ED AND APPEARED TO BE SPLITTING AT THE SEAM. NO INJURY. POSES A **FIRE** HAZARD.
H0480008A	2002-05-01	A RIDING LAWN MOWER'S **GAS** TANK **LEAK**ED **GAS**OLINE ONTO THE GARAGE FLOOR & EMITTED A STRONG **GAS** ODOR. THE **GAS** WAS **LEAK**ING FROM **GAS** TANK'S GLUED SEAM. NO INJURY. **FIRE** HAZARD.
H0250273A	2002-05-01	**LAWN TRACTOR'S GAS TANK CAUGHT FIRE DURING USE. NO INJURY. CONSUMER IS CONCERNED THAT THE LAWN TRACTOR'S FUEL TANK CAN CRACK AND LEAK FUEL, POSING A BURN AND FIRE HAZARD.**
I0260023A	2002-05-01	THE **FUEL** TANK ON A LAWN TRACTOR WAS FOUND **CRACK**ED IN 4 PLACES AND **LEAK**ING **FUEL**. NO INJURY.
I0260336A	2002-06-01	**THE OWNER OF A LAWN TRACTOR REPORTS A CRACK HAS DEVELOPED AROUND THE OUTLET FOR THE FUEL TANK. GASOLINE SEEPED ONTO THE CONCRETE FLOOR OF HIS GARAGE. NO INJURY.**
I0260085A	2002-06-03	ONE YEAR OLD LAWN TRACTOR'S **FUEL** TANK **CRACK**ED & **LEAK**ED **GAS**OLINE. THE UNIT SHOULD BE INCLUDED IN THE RECALL. NO INJURY. **FIRE** HAZARD.
H0270175A	2002-06-18	A FEMALE SAT ON THE RIDING LAWN TRACTOR & TURNED ON THE IGNITION WHEN TRACTOR WAS ENGULFED IN **FLAM**ES. NO INJURY. THE UNIT'S **FUEL** TANK CAN **CRACK** & **LEAK FUEL** & POSE BURN OR **FIRE** HAZARD.
H0270001A	2002-06-21	SELF PROPELLED LAWN MOWER STORED IN GARAGE WAS WET WITH **GAS** UNDERNEATH THE UNIT & EMITTED A **GAS** ODOR. OWNER REMOVED THE AIR FILTER & NOTICED A **CRACK**. NO INJURY. **FIRE** HAZARD.
H0270064A	2002-06-26	**LAWN TRACTOR'S, GAS TANK WAS LEAKING. GAS LINE CONNECTS TOO CLOSE TO THE LAWN TRACTOR'S NIPPLE WHICH HAD CRACKED. NO INJURY. FIRE HAZARD.**
I0390047A	2002-07-01	THE OWNER OF TWO LAWN MOWERS REPORTS THAT HE HAS THE SAME **GAS** TANK PROBLEM LIKE THE ONES BEING RECALLED. BOTH **GAS** TANKS **LEAK** AROUND THEIR SEAMS. NO INJURY.
I0280378A	2002-07-01	ON TWO DIFFERENT OCCASIONS, **GAS**OLINE **LEAK**ED OUT FROM THE **FUEL** TANK ON A POWER LAWN MOWER DURING USE. OWNER NOTICED A SERIOUS **CRACK** AROUND THE HOLE WHERE THE **FUEL** PASSES OUT INTO THE **FUEL** LINE. NO INJURY.
H0280075A	2002-07-06	THE **GAS**OLINE TANK ON A LAWN TRACTOR **LEAK**ED **GAS**OLINE ONTO A LAWN THROUGH A SEAM. NO INJURY.
H0270193A	2002-07-15	RIDING LAWN MOWER **LEAK**ED **GAS** FROM THE **GAS** TANK AS OWNER WAS FILLING IT. THE RUBBER SEAL ON THE **GAS** TANK HAD BROKEN & THE METAL SEAM OF THE TANK HAD SEPARATED. NO INJURY. **FIRE** OR **EXPLO**SION HAZARD.
I0280076A	2002-07-22	MOWER WAS STARTED WHEN **GAS** TANK EMPTIED ONTO THE HOT CYCLINDER HEAD OF THE ENGINE. THE **GAS** TANK WAS SPLIT OPEN BY THE CYCLINDER HEAD. NO INJURY. **FIRE** OR **EXPLO**SION HAZARD.
H0270417A	2002-07-22	A WALK-BEHIND LAWN MOWER BEGAN SPEWING **GAS**OLINE DURING USE. CONSUMER DISCOVERED THAT THE MOWER'S **GAS** TANK HAD A SPLIT IN IT AND WAS **LEAK**ING **GAS**OLINE ON THE ENGINE. NO INJURY. POSES A **FIRE** AND BURN HAZARD.
I0280083A	2002-08-01	THE OWNER OF A RIDING LAWN TRACTOR REPORTS THAT THE **GAS**OLINE **LEAK**ED FROM THE SEAM WHERE THE TWO HALVES OF THE PLASTIC **GAS** TANK WERE JOINED, NEAR THE TOP OF THE TANK. NO INJURY. POSES A **FIRE**/INJURY HAZARD.
I0280332A	2002-08-01	THE OWNER OF A WALK-BEHIND ROTARY MOWER REPORTS THAT THE TOP SEAM OF THE FULE TANK HAD DETERIORATED AND **FUEL LEAK**S FROM THE **GAS** TANK. NO INJURY.
I0280601A	2002-08-01	THE OWNER OF A WALK-BEHIND POWER LAWN MOWER REPORTS THAT THE **FUEL** TANK DEVELOPED CRASK AT THE TOP CORNER SEAM. THE TANK **LEAK**S WHEN IT IS OVER HALF FULL. NO INJURY.
H0280044A	2002-08-04	RIDING LAWN MOWER EMITTED A **GAS** TYPE ODOR. UNIT'S PLASTIC **GAS** TANK HAD A **CRACK** IN THE BOTTOM, CAUSING A **LEAK**. NO INJURY. **FIRE** HAZARD.

H0280109A	2002-08-05	**GAS**OLINE DRIPPED FROM THE BOTTOM OF THE PLASTIC **GAS** TANK WHILE WALK BEHIND LAWN MOWER WAS BEING FILLED. NO INJURY. THE **GAS** TANK HAD A HOLE IN THE SEAM. **FIRE** HAZARD.
I0290030A	2002-08-25	THE PLASTIC **GAS** TANK ON A LAWN TRACTOR STARTED **LEAK**ING AT THE SEAM. NO INJURY. POSES AN **EXPLO**SION OR **FIRE** HAZARD.
H0290093A	2002-08-29	RIDING LAWN MOWER EMITTED **GAS** ODOR DURING USE. A FEMALE NOTICED THAT THE SEAMS THAT HOLDS THE **GAS** TANK TOGETHER HAD COME APART OR EXPANDED CAUSING THE **LEAK**. NO INJURY.
I0290051A	2002-09-02	MOWER'S **GAS** TANK **LEAK**ED AFTER USE. THE TANK HAD A SPLIT. NO INJURY.
H0290109A	2002-09-07	**THE GASOLINE TANK ON A LAWN TRACTOR LEAKED GASOLINE ONTO A LAWN THROUGH A SEAM. NO INJURY.**
I0290294A	2002-09-10	THE **FUEL** TANK ON A GARDEN TRACTOR STARTED **LEAK**ING AROUND THE **FUEL** OUTLET. THERE IS A HAIR LINE **CRACK** IN THE TANK. NO INJURY.
I02A0173A	2002-10-01	LESS THAN ONE YEAR OLD LAWN MOWER'S **FUEL** TANK IS **LEAK**ING AT THE SEAM. NO INJURY. **FIRE** HAZARD.
H02A0061A	2002-10-05	**GAS**OLINE WAS FOUND **LEAK**ING FROM A **CRACK**ED **GAS** TANK ON A RIDING LAWN MOWER ABOUT TO BE USED. NO INJURY.
I02B0035A	2002-10-12	THE **GAS**OLINE TANK ON A LAWN TRACTOR **LEAK**ED **GAS**OLINE ALL OVER THE GARAGE THROUGH A SEAM. NO INJURY.
I02A0283A	2002-10-23	LAWN TRACTOR'S, **FUEL** TANK HAS **CRACK**ED AT THE **FUEL** OUTLET & **LEAK**S **GAS**. OWNER FEELS THAT THIS **GAS** TANK SHOULD ALSO BE INCLUDED IN THE RECALL. NO INJURY. **FIRE** HAZARD.
H02B0192A	2002-11-01	THE **GAS** TANK ON A RIDING LAWN MOWER HAS SEPARATED AT THE SEAMS AND **LEAK**ED **GAS**OLINE. NO INJURY.
I0360082A	2003-01-01	A LAWN MOWER **GAS** TANK **LEAK**ED AT THE SEAM, **LEAK**ING **GAS** ONTO CHASSIS NEAR THE LAWN MOWER'S HOT ENGINE. THE SAME INCIDENT HAPPENED ON A SAME BRAND BUT DIFFERENT MODEL LAWN MOWER. NO INJURY. OWNER THINKS THERE SHOULD BE A RECALL.
I0390157A	2003-01-01	THE POWER LAWN MOWER'S **GAS** TANK **CRACK**ED AND **LEAK**ED **GAS**OLINE ONTO THE HOT ENGINE. NO INJURY.
I0320062A	2003-01-01	**GAS LEAK**ED FROM A LAWN TRACTOR WHILE USING. OWNER NOTICED **FUEL** TANK MATERIAL HAS **CRACK**ED AT THE **FUEL** OUTLET. NO INJURY.
H03A0081A	2003-01-01	RIDING LAWN MOWER CONSUMED **GAS**OLINE VERY QUICKLY DURING USE. OWNER NOTICED SEVERAL **CRACK**S IN THE **GAS** TANK. NO INJURY.
I0380026A	2003-01-01	OWNER OF A NEW RIDING LAWN MOWER REPORTS THAT THE **GAS** TANK HAD **CRACK**ED. NO INJURY.
I0450113A	2003-01-11	THE PLASTIC **GAS** TANK ON A WALK BEHIND LAWN MOWER STARTED **LEAK**ING AT THE SEAM AND THE **GAS**OLINE **LEAK**ED OUT ALL OVER THE ENGINE. NO INJURY. **FIRE** HAZARD.
H0330100A	2003-02-12	THE **GAS**OLINE TANK ON A GARDEN TRACTOR **LEAK**ED **GAS**OLINE THROUGH A SEAM. NO INJURY. POSES A **FIRE** HAZARD.
I0320235A	2003-02-15	OWNER REPORTS THAT THE PUSH LAWN MOWER STARTED **LEAK**ING **GAS** FROM THE SEAM OF THE **GAS** TANK. NO INJURY.
I0320341A	2003-02-25	**LEAK**ING **FUEL** FROM **CRACK**ED PLASTIC FITTING ON LAWN MOWER'S CARBURATOR MAY HAVE CAUSED **FIRE**. NO INJURY.
H0330027A	2003-03-03	WHILE FILLING THE PUSH LAWN MOWER'S **GAS** TANK OWNER NOTICED THE **GAS** WAS **LEAK**ING FROM AROUND THE **GAS** TANK'S SEAM. NO INJURY. **FIRE** HAZARD.
I0340289A	2003-03-04	RIDING LAWM MOWER'S **GAS** TANK WAS SPLIT & **LEAK**ED **GAS**OLINE ALL OVER THE GARAGE. NO INJURY. **EXPLO**SION HAZARD.
I0330297A	2003-03-23	THE PLASTIC **FUEL** TANK ON A GARDEN TRACTOR **CRACK**ED. **FUEL** THEN **LEAK**ED OUT ONTO THE TRANSMISSION, REAR AXLE, AND SEAT SHUT OFF SAFETY DEVICE. NO INJURY.
H0330252A	2003-03-26	**GAS** WAS **LEAK**ING FROM A LAWN TRACTOR' **FUEL** TANK. OWNER INSPECTED THE **GAS** TANK AND DISCOVERED THAT IT WAS **CRACK**ED. NO INJURY. POSES A SAFETY HAZARD.
H0340011A	2003-03-30	**GAS** WAS **LEAK**ING FROM A LAWN TRACTOR'S **FUEL** TANK. OWNER INSPECTED THE **FUEL** TANK AND DISCOVERED THAT IT WAS SPLIT ALONG THE SEAM. NO INJURY. POSES A **FIRE** HAZARD.
H0350013A	2003-04-01	**GAS**OLINE HAS FOUND **LEAK**ING FROM THE SEAMS OF THE **GAS** TANK ON A TRACTOR USED TO MOW. NO INJURY.

H0540263A	2003-04-01	**WHEN ENTERING GARAGE SMELL OF GAS TYPE ODOR COMING FROM RIDING LAWN TRACTOR. DISCOVERED THAT THE GAS WAS LEAKING FROM PLASTIC FUEL TANKS SEAM. NO INJURIES.**
I0340308A	2003-04-01	THE **GAS** TANK ON A GARDEN TRACTOR WAS FOUND **CRACK**ED. THE WIRE THAT RUNS TO THE SEAT KILL SWITCH WAS FOUND PINCHED BETWEEN THE TANK AND METAL PIECE BENEATH THE SEAT. NO INJURY. POSES A **FIRE** HAZARD.
I0340075A	2003-04-07	A RIDING MOWER'S PLASTIC **GAS** TANK STARTED **LEAK**ING **GAS** FROM A SEAM AT THE TOP OF THE TANK. NO INJURY. **FIRE** HAZARD.
H0340196A	2003-04-19	**OWNER FOUND A 1" CRACK IN HIS RIDING LAWN MOWERS FUEL TANK. HE WIPED THE FUEL OFF THE TANK WHEN SECONDS LATER MORE CAME OUT. NO INJURY. MOWER IS NOT INCLUDED IN THE RECALL.**
I0340296A	2003-04-22	A RIDING MOWER'S **FUEL** TANK STARTED **LEAK**ING **FUEL GAS** FROM BETWEEN THE SEAM. NO INJURY. **FIRE** HAZARD.
I0440128A	2003-05-01	**FUEL** TANK OF A RIDING MOWER HAS DEVELOPED A **CRACK** ALONG THE SEAM WHERE THE TOP & BOTTOM HALVES HAVE JOINED. NO INJURY. **FIRE** HAZARD.
N0380012A	2003-05-01	THE **GAS** TANK ON A WALK-BEHIND **GAS** POWERED LAWN MOWER BEGAN **LEAK**ING **GAS**OLINE AT THE SEAM DURING NORMAL USE. NO INJURY.
I0430213A	2003-05-01	**FUEL** TANK ON A POWERED WALK-BEHIND MOWER **LEAK**S DUE TO A STRESS **CRACK** IN THE TANK'S HOUSING. NO INJURY. **FIRE** HAZARD.
I0350044A	2003-05-04	**GAS**OLINE WAS FOUND **LEAK**ING FROM THE **FUEL** LINE AND THE **FUEL** TANK WAS FOUND **CRACK**ING ON A LAWN TRACTOR. SIMILAR TRACTORS HAVE BEEN RECALLED FOR THE PROBLEM. NO INJURY, **FIRE** HAZARD.
H0350241A	2003-05-05	TOOL SHED EMITTED A STRONG **GAS**OLINE ODOR. A MALE, AGE 49, EXPERIENCED NAUSEA. THE WALK BEHIND MOWER'S PLASTIC **GAS** TANK HAD STRESS FRACTURES AT THE SEAMS & HAD **CRACK**ED & **LEAK**ED **FUEL** ALL OVER THE ENGINE. BURN & **FIRE** HAZARD.
I0360235A	2003-05-11	RIDING LAWN MOWER'S **GAS** TANK SPLIT & **LEAK**ED **GAS** ON THE BACK OF THE MOWER & LAWN. NO INJURY. THE MOWER HAS NOT BEEN INCLUDED IN THE RECALL.
H0350254A	2003-05-13	POWERED LAWN MOWER STOPPED DURING USE & EMITTED **GAS**OLINE ODOR. THE UNIT'S **GAS** TANK WAS **CRACK**ED AT THE SEAM & CAUSED **GAS**OLINE TO RUN OUT OF THE CARBURETOR. NO INJURY. **FIRE** HAZARD.
H0350185A	2003-05-19	WHILE USING A RIDING LAWN MOWER, A MAN NOTICED **GAS LEAK**ING FROM THE TOP OF THE **GAS** TANK WHERE THE SEAM IS LOCATED. NO INJURY.
I0350282A	2003-05-19	THE OWNER OF A RIDING LAWN MOWER FOUND THAT THE **GAS** TANK HAD **CRACK**ED. NO INJURY.
I0350383A	2003-05-22	THE **GAS** TANK ON A LAWN TRACTOR STARTED **LEAK**ING AT THE SEAM. THE FUMES FROM THE LAWN TRACTOR PERMEATED INTO THE GARAGE. NO INJURY. POSES A **FIRE** HAZARD.
H0410311A	2003-06-01	WHILE FILLING A RIDING LAWN MOWER, CONSUMER NOTICED A **GAS** ODOR. CONSUMER DISCOVERED THAT THE **GAS** WAS **LEAK**ING FROM UNDERNEATH OF A RIDING LAWN MOWER. THE **GAS** TANK HAD **CRACK**ED AT THE SEAM WHERE THE TANK WAS BOLTED TOGETHER. NO INJURY.
H1160116A	2003-06-02	Consumer feels that his riding mower could pose a **fire** hazard. Consumer states that his riding lawn mowers is not included in the recall CAP for NR#05-517 (November 24, 2004), but CPSC should pursue an investigation on his model and serial number, because his range poses the exact same problem as the one on recall. Consumer stated that his **fuel** tanks **crack** and **leak fuel**. He stopped using the lawn mowers and bought a different brand.
H0360056A	2003-06-06	OWNER FILLED THE RIDING LAWN TRACTOR'S **GAS** TANK & NOTICED **FUEL LEAK**ING STEADILY FROM A **CRACK** IN THE TOP HALF OF THE TANK. **FUEL** TANKS ARE DEFECTIVE & POSE A BURN & **FIRE** HAZARD. NO INJURY.
I0460221A	2003-06-10	**LAWN TRACTOR IS LEAKING GAS FROM A SEAM ON THE PLASTIC FUEL TANK. THE SEAM WAS CREATED BY ASSEMBLING THE TOP HALF OF THE TANK TO THE BOTTOM HALF OF THE TANK. NO INJURY.**
I0360261A	2003-06-16	THE **GAS** TANK IN A LAWN TRACTOR DEVELOPED A **CRACK** AND ALLOWED **GAS**OLINE TO ESCAPE. NO INJURY.
I0360318A	2003-06-19	OWNER WAS POURING **GAS**OLINE INTO THE LAWN TRACTOR'S TANK WHEN IT **LEAK**ED FROM THE BACK OF THE UNIT. THE SEAM ON THE **FUEL** TANK HAD SPLIT OPEN. NO INJURY. FRE HAZARD.
I0360434A	2003-06-24	RIDING LAWN TRACTOR WAS STORED IN THE GARAGE AFTER USE WHEN IT PERMEATED THE WHOLE HOUSE WITH **GAS**OLINE FUMES. THE UNIT'S **GAS** TANK WAS **LEAK**ING AT THE SEAM. NO INJURY.

H0370216A	2003-06-26	OWNER SMELLED A **GAS** ODOR AFTER LAWN MOWER USE. THE UNIT WAS **LEAK**ING **GAS** AT THE SEAM, ONTO IT'S DECK. THE UNIT WAS FILLED BELOW THE SEAM WHEN THE SAME INCIDENT OCCURUED MANY TIMES. OWNER IS WAITING FOR A REPLACEMENT PART. NO INJURY. **FIRE** HAZARD.
I0360445A	2003-06-29	A MAN, AGE 58, RECEIVED SEVERE IRRITATION TO HIS HAND FROM THE **GAS**OLINE THAT **LEAK**ED FROM UNDER THE RIDING LAWN MOWER'S **FUEL** TANK. THERE WERE **CRACK**S IN THE TANK. CONSUMER WAS NOT INFORMED OF THE RECALL ON HIS **FUEL** TANK. **FIRE** HAZARD.
H0380124A	2003-07-01	OWNER NOTICED RIDING LAWN TRACTOR'S **GAS** TANK WAS **LEAK**ING **GAS**OLINE FROM THE TANK'S SEAMS. NO INJURY.
H0380183A	2003-07-01	THE **GAS** TANK ON A RIDING LAWN MOWER HAS **CRACK**ED AT THE SEAMS. NO INJURY.
H04B0018A	2003-07-01	(1) RIDING LAWN MOWER'S **GAS** TANK **LEAK**ED **FUEL** FROM THE SEAM. NO INJURY. **FIRE** HAZARD.
I0370246A	2003-07-01	**OWNER REPORTS THAT THE SELF-PROPELLED PUSH MOWER STARTED LEAKING GAS FROM THE SEAM OF THE GAS TANK. NO INJURY. THE GASOLINE TANK IS TWO-PIECE GLUED CONSTRUCTION. OWNER RE-GLUED THE SEAMS AND IT IS LEAKING AGAIN.**
I0380271A	2003-07-01	THE PLASTIC **GAS** TANK ON A WALK BEHIND ROTARY LAWN MOWER HAS HAD THE SEAMS FAIL TWICE IN A SIX WEEK PERIOD. NO INJURY.
H0370220A	2003-07-01	LAWN TRACTOR **LEAK**ED **GAS** FROM UNDERNEATH IT'S SEAT DURING USE. THE UNIT'S PLASTIC **GAS** TANK HAD **CRACK**ED.
I03A0417A	2003-07-01	LAWN TRACTOR'S **GAS** TANK **CRACK**ED WHERE THE **FUEL** LINE ENTERS THE TANK & **LEAK**ED **GAS** ONTO GARAGE FLOOR. THE UNIT HAD NOT BEEN USED FOR THE PAST 3 MONTHS. THE UNIT WAS NOT INCLUDED IN THE RECALL. NO INJURY.
I0370054A	2003-07-04	**RIDING LAWN MOWER'S GAS TANK LEAKED GAS AT THE SEAMS. NO INJURY.**
H0370129A	2003-07-08	THE **GAS** TANK ON A RIDING LAWN MOWER BECAME **CRACK**ED. NO INJURY, **FIRE** HAZARD.
I0370395A	2003-07-21	LAWN MOWER'S TANK **CRACK**ED AND **LEAK**ED **GAS FUEL**. NO INJURY. POSES A **FIRE** OR **EXPLO**SION HAZARD.
I0390099A	2003-08-01	THE **GAS** TANK SEPARATES AT THE SEAM ON A WALK BEHIND POWERED LAWN MOWER. NO INJURY.
I0380115A	2003-08-01	IN RESPONSE TO A RECENT RECALL, THE OWNER OF A RIDING LAWN MOWER THAT IS NOT INCLUDED REPORTS THE **FUEL** TANK **CRACK**ED AND **FUEL LEAK**ED. NO INJURY.
H0680362A	2003-08-01	SELF PROPELLED WALK BEHIND LAWN MOWER'S **FUEL** TANK IS **CRACK**ING ON LAWN MOWERS WITH CERTAIN MODEL ENGINES CAUSING **GAS** TO **LEAK** OUT. NO INJURIES.
H0390237A	2003-08-12	THE **FUEL** TANK ON A RIDING LAWN MOWER **CRACK**ED AND WAS FOUND **LEAK**ING **FUEL**. NO INJURY.
H0380138A	2003-08-13	RIDING LAWN MOWER'S **GAS** TANK **LEAK**ED **GAS**OLINE DURING USE. THE **GAS** TANK HAD SPLIT AT THE SEAM. NO INJURY.
H0390051A	2003-08-16	**RIDING LAWN MOWER EMITTED STRONG GAS ODOR. WELDING ON A SEAM ON THE GAS TANK WAS LEAKING GAS. NO INJURY. FIRE HAZARD.**
I0380284A	2003-08-16	CONSUMER REPORTS THAT THE **FUEL** TANK ON A LAWN TRACTOR **CRACK**ED ON THE BOTTOM AND **LEAK**ED **GAS**OLINE. NO INJURY.
I0380230A	2003-08-17	A RIDING LAWN MOWER'S **FUEL** TANK STARTED **LEAK**ING **GAS** FROM THE SEAM. NO INJURY. POSES A **FIRE** HAZARD.
I0380416A	2003-08-21	RIDING MOWER'S **GAS** TANK **LEAK**ED DOWN **GAS** FROM IT'S SEAM ONTO THE METAL PARTS & WIRING BELOW. A FEMALE, AGE 58, WAS USING MOWER WHEN IT **LEAK**ED AGAIN & ALSO ONTO HER LEG & FOOT. SHE HAD FILLED ONLY 1/3 OF THE TANK. NO INJURY.
H0440058A	2003-09-01	GARDEN TRACTOR **LEAK**ED **GAS** AFTER IT'S TANK WAS FILLED WITH **GAS**. THE **GAS** TANK HAD A 7" TALL **CRACK** IN THE BOTTOM. NO INJURY. **FIRE** & **EXPLO**SION HAZARD.
H03A0053A	2003-09-01	THE **FUEL** TANK ON A **GAS** POWERED, SELF PROPELLED LAWN MOWER **CRACK**ED AND **FUEL** WAS POURING FROM THE LAWN MOWER'S CARBURETOR WHILE NOT IN USE. NO INJURY.
I0390090A	2003-09-06	THE **GAS** TANK ON A LAWN TRACTOR **LEAK**ED **GAS**OLINE ON THE REAR SEAM WHEN CONSUMER FILLED THE TANK, HE SAW A LARGE SPILL ON THE SHED FLOOR. NO INJURY.
H0390067A	2003-09-08	A STRONG **GAS** ODOR CAME FROM A RIDING LAWN MOWER. CONSUMER NOTICED THAT THE WELDING ON A SEAM OF THE PLASTIC **GAS** TANK WAS **LEAK**ING **GAS**. NO INJURY. **FIRE** HAZARD.
H0390123A	2003-09-15	LAWN TRACTOR'S **GAS** TANK WAS **LEAK**ING **GAS** FROM THE SEAMS DURING USE. NO INJURY. **FIRE** HAZARD.
H03A0330A	2003-10-10	OWNER FILLED RIDING LAWN MOWER WITH **GAS** WHEN IT **LEAK**ED DURING USE. THE PLASTIC **FUEL** TANK WAS **CRACK**ED AT ONE OF ITS SEAMS. NO INJURY. **FIRE** HAZARD.
H0840220A	2003-10-10	CONSUMER REPORTS WHEN RIDING THE RIDE ON LAWN MOWER THE BRAKE WILL NOT WORK INTERMITTENLY. CONSUMER COMPLAINS THAT THE UNIT DOES NOT STAY IN GEAR & THE **GAS** TANK **LEAK**S **FUEL**. THE **FUEL** TANK **CRACK**ED ALONG THE SEAM OF THE TANK.NO INJURY. **FIRE** HAZARD.

I03B0370A	2003-11-01	A VERTICAL **CRACK** DEVELOPED IN THE **GAS** TANK OF A ROTARY LAWN MOWER. THE TANK **LEAK**S WHEN MORE THAN HALF THE TANK IS FILLED. NO INJURY. **FIRE** HAZARD.
H03B0060A	2003-11-04	WHILE POURING **GAS** INTO A RIDING LAWN MOWER'S PLASTIC **GAS** TANK, OWNER NOTICED **GAS LEAK**ING FROM THE TANK WHERE THE SEAM IS LOCATED. NO INJURY. **FIRE** HAZARD.
H03B0215A	2003-11-19	**GAS** WAS **LEAK**ING FROM UNDERNEATH A WALK-BEHIND LAWN MOWER WHILE THE LAWN MOWER'S **GAS** TANK WAS BEING FILLED. THE TANK WAS FOUND **CRACK**ED IN TWO DIFFERENT PLACES. NO INJURY.
H0460036A	2003-12-01	DURING ROUTINE MAINTENANCE OWNER FOUND HIS RIDING LAWN MOWER'S PLASTIC **GAS** TANK WAS **LEAK**ING AT THE SEAM. SERVICEMAN STATED THAT IT WAS THE 3RD MOWER HE CAME ACROSS WITH THE SAME PROBLEM. NO INJURY. **FIRE** HAZARD.
I03C0083A	2003-12-01	A RIDING LAWN MOWER HAS A **GAS** TANK THAT IS **CRACK**ED AND **LEAK**S. OWNER FEELS THERE SHOULD BE A RECALL. NO INJURY.
H0430257A	2004-01-01	RIDING LAWN MOWER'S **GAS** TANK **LEAK**ED **FUEL**. A **CRACK** HAD DEVELOPED AT THE SEAMS OF THE **GAS** TANK. OWNER APPLIED EPOXY ON THE TANK, BUT IT DID NOT WORK. NO INJURY.
I0580320A	2004-01-01	RIDING LAWNMOWER'S **GAS** TANK SPLIT AT THE SEAM, CAUSING A SEVERE **GAS LEAK**. NO INJURY. **FIRE** HAZARD.
H0450036A	2004-02-01	**GAS**OLINE STARTED **LEAK**ING ALONG THE SEAMS OF A RIDING LAWN MOWER'S **GAS** TANK WHEN IT WAS FILLED. NO INJURY.
H0470313A	2004-02-01	**PUSH LAWN MOWER'S GAS TANK CRACKED & STARTED LEAKING. OWNER DETERMINED THE TANKS WERE LEAKING DUE TO VIBRATION. NO INJURY. FIRE HAZARD.**
H0530188A	2004-02-02	GARDEN TRACTOR STORED IN A GARAGE EMITTED **GAS** ODOR. OWNER WAS FILLING **GAS** IN TRACTOR WHEN HE HEARD **GAS** DRIPPING ON THE FLOOR. HE FOUND THE BOTTOM OF THE **GAS** TANK **CRACK**ED & BROKEN. NO INJURY. **FIRE** HAZARD.
H0440262A	2004-02-25	OWNER WAS FILLING **GAS** & NOTICED **GAS LEAK**ING FROM THE TANK OF A RIDING LAWN MOWER. THE TANK WAS SPLIT AT THE SEAM. NO INJURY.
I0430035A	2004-02-29	LAWN TRACTOR **FUEL** TANK **CRACK**ED AND **LEAK**ED **GAS**OLINE ONTO THE DECK IN FRONT OF THE SEAT. NO INJURY.
I0450464A	2004-03-01	LAWN TRACTOR'S MOUNTED **FUEL** TANK **CRACK**ED ALONG THE MOLDED JOINT SEALINGS & **LEAK**ED **GAS**OLINE ALL OVER THE ELECTRICAL COMPONENTS. RECALLED LAWN TRACTOR'S BY A DIFFERENT MANUFACTURER MAY HAVE THE SAME **GAS** TANKS. NO INJURY. **FIRE** HAZARD.
I0430340A	2004-03-20	LAWN TRACTOR'S **GAS** TANK HAS SPLIT AT THE NOZZLE ON THE BOTTOM OF THE TANK & AT THE SEAM & POURED **GAS** ALL OVER THE DECK. OWNER STATES THIS IS THE 2ND TIME IN 2 YEARS THAT THE TANK HAS SPLIT. NO INJURY.
I0430462A	2004-03-24	**AFTER A RIDING LAWN MOWER WAS FILLED WITH GAS, THE GAS TANK WAS FOUND SPLIT AT THE SEAM AND GAS LEAKED OUT. NO INJURY.**
I0440466A	2004-04-01	THE SEAMS ON THE **GAS** TANK INSIDE A RIDING LAWN TRACTOR ARE **LEAK**ING **GAS**. NO INJURY.
H0460219A	2004-04-01	**RIDING LAWN MOWER'S GAS TANK LEAKED GAS FROM THE SEAM ONTO THE GARAGE FLOOR & EMITTED GAS ODOR. NO INJURY. FIRE HAZARD.**
I0440053A	2004-04-02	LAWN MOWER'S PLASTIC **GAS** TANK APPARENTLY RUPTURED ALONG A SEAM & **LEAK**ED **GAS**OLINE. OWNER FEELS IT WAS CAUSED DUE TO TEMPERATURE CHANGES IN AN UNHEATED GARAGE. NO INJURY. **FIRE** HAZARD.
H0440079A	2004-04-09	**GAS**OLINE GUSHED FROM THE SEAM OF THE **GAS** TANK INSIDE A RIDING LAWN MOWER. NO INJURY, **FIRE** HAZARD.
H0440142A	2004-04-12	A LAWN MOWER'S **FUEL** TANK WAS FOUND TO BE **LEAK**ING. CONSUMER NOTICED THAT THE **FUEL** TANK'S SEAL HAD SPLIT DOWN THE MIDDLE. NO INJURY. **FIRE** HAZARD.
I0440310A	2004-04-16	**PLASTIC GAS TANK OF A LAWN MOWER LEAKS GAS FROM THE SEAM OF THE GAS TANK. NO INJURY. FIRE EXPLOSION HAZARD.**
I0440365A	2004-04-19	WHILE USING A GARDEN TRACTOR, ITS PLASTIC **FUEL** TANK THAT WAS UNDER THE SEAT DEVELOPED SEVERAL **CRACK**S, AND **LEAK**ED **GAS**OLINE ONTO THE TRACTOR DECK AND IDLER PULLEY. NO INJURY.
I0440515A	2004-04-29	WHILE USING A RIDING LAWN MOWER, ITS **GAS** TANK **LEAK**ED **GAS** AT THE SEAM. THE **GAS** SPILLED ONTO THE DRIVER BELT, WHICH CAUSED SMOKE AND FUMES. NO INJURY.
I0460051A	2004-05-02	OWNER OF A RIDING LAWN MOWER REPORTS THAT THE BOTTOM OF ITS PLASTIC **GAS** TANK **CRACK**ED. NO INJURY. THE **GAS** TANK IS SIMILAR TO THE ONES BEING RECALLED. NO INJURY.
I0450091A	2004-05-05	THE **GAS** TANK ON A POWER LAWN MOWER SPLIT AND **LEAK**ED **GAS**OLINE ON THE MOWER DECK. NO INJURY.

I0450181A	2004-05-06	WALK BEHIND LAWNMOWER'S **FUEL** HOSE **LEAK**ED CAUSING A LARGE **PUDDLE** OF **GAS**OLINE ON OWNER'S GARAGE FLOOR. THE HOSE WAS SEVERELY **CRACK**ED OVER THE ENTIRE LENGTH & ALL SIDES. NO INJURY.
I0450224A	2004-05-08	A LAWN TRACTOR'S **GAS** TANK WAS **LEAK**ING AT THE SEAM. OWNER FEELS THAT THE **GAS** TANK PRESENTS THE SAME PROBLEM AS THE ONES BEING RECALLED. NO INJURY.
I0450234A	2004-05-09	OWNER REPORTS THAT THE LAWN TRACTOR'S **GAS** TANK DEVELOPED A **LEAK** IN THE SEAM. THE TRACTOR HAD BEEN STORED IN A GARAGE AND NOT IN USE.
I0450128A	2004-05-10	OWNER NOTICED RIDING LAWN MOWER'S **FUEL** TANK HAS SEVERAL **CRACK**S & **LEAK**S **FUEL** IN THE VICINITY OF THE ENGINE. NO INJURY. **FIRE** HAZARD.
I0450194A	2004-05-11	SELF PROPELLED POWER LAWN MOWER'S **FUEL** TANK HAS **CRACK**ED & **LEAK**ED **GAS** WHILE IN USE. NO INJURY.
C0450024A	2004-05-20	THE WALK-BEHIND LAWN MOWER'S PLASTIC **GAS** TANK ON THE ENGINE **CRACK**ED AND BEING **LEAK**ING **FUEL** ON THE MOWER, CREATING A VERY SERIOUS **FIRE** POTENTIAL. NO INJURY.
I0550446A	2004-05-25	WALK BEHIND LAWN MOWER HAS DEFECTIVE **GAS** TANKS THAT ARE SEPARATING AT A SEAM CAUSING THEM TO **LEAK** AND START A **FIRE**. NO INJURY. **FIRE** HAZARD.
H0460045A	2004-05-29	RIDING LAWN MOWER EMITTED **GAS** ODOR AFTER USE. OWNER REMOVED THE **GAS** TANK & FOUND **CRACK**S IN EACH OF THE TANK'S FOUR CORNERS. NO INJURY. **FIRE** HAZARD.
H0460026A	2004-05-31	A RIDING LAWN MOWER WAS **LEAK**ING **GAS** FROM THE PLASTIC **GAS** TANK AT THE SEAM. NO INJURY. POSES A **FIRE** HAZARD.
H0510017A	2004-06-01	CONSUMER NOTICED THAT HIS GARDEN TRACTOR WAS USING TOO MUCH **GAS**. THE GARDEN TRACTOR WAS FOUND **LEAK**ED **GAS**OLINE. CONSUMER INSPECTED THE PLASTIC **GAS** TANK AND DISCOVERED THAT IT WAS SPLIT AT THE SEAM. NO INJURY.
H0490217A	2004-06-01	GARDEN TRACTOR'S PLASTIC **FUEL** TANK **LEAK**ED AT THE SEAMS. OWNER NOTICED THE **FUEL** TANK WOULD **LEAK** UNTIL IT GETS PAST THE SEAM. NO INJURY. **FIRE** HAZARD.
H0480090A	2004-06-01	WHEN RIDING LAWN MOWER IS FILLED WITH **GAS**OLINE & LEFT FOR APPROXIMATELY ONE WEEK, OWNER NOTICED THE **GAS** WOULD **LEAK** OUT. THE **GAS** WAS **LEAK**ING FROM THE **GAS** TANK'S SEAM AREA. NO INJURY. **FIRE** HAZARD.
I0480427A	2004-06-01	THE PLASTIC **GAS** TANK IN A RIDING LAWN MOWER **LEAK**S AT THE SEAM. NO INJURY, **FIRE** HAZARD.
I04B0281A	2004-06-01	FRONT ENGINE LAWN MOWER STARTED TO **LEAK GAS** WHEN APPARENTLY THE SEAM IN THE TANK APART. NO INJURY. **FIRE** HAZARD.
I0460070A	2004-06-04	THE **FUEL** TANK ON A WALK BEHIND MOWER WAS FOUND **LEAK**ING AT THE SEAM. NO INJURY.
I0460194A	2004-06-05	THE **GAS** TANK ON A LAWN TRACTOR STARTED **LEAK**ING AT THE SEAM. THE TANK WAS A TWO-PIECE DESIGN & THE ENTIRE REAR SEAM SPLIT. NO INJURY.
H0460082A	2004-06-05	**RIDING LAWN MOWER LEAKED GAS FROM THE BOTTOM CORNER SEAM OF THE GAS TANK DURING USE. OWNER HAD NOTICED A GAS TYPE ODOR A MONTH AGO BUT COULDN'T FIND THE SOURCE. NO INJURY. FIRE HAZARD.**
I0460145A	2004-06-08	LAWN TRACTOR'S **GAS** TANK BEGAN **LEAK**ING **GAS** FROM THE SEAM IN THE MIDDLE OF THE TANK ONTO THE ENGINE COMPARTMENT. NO INJURY. **FIRE** HAZARD.
I0490168A	2004-06-15	**THE PUSH LAWN MOWER'S GAS TANK SEAM SPLIT OPEN SPILLING GASOLINE ALL OVER THE MOWER. LATER, THE FUEL TANK TOTALY CRACKED OPEN ON THE OPPOSIDE SIDE. THE MOWER IS UNUSABLE. NO INJURY. FIRE HAZARD.**
I0490241A	2004-06-15	THE PLASTIC **FUEL** TANK ON A WALK BEHIND LAWN MOWER STARTED **LEAK**ING AT THE SEAM. NO INJURY.
H0460188A	2004-06-16	OWNER OF A RIDING LAWN MOWER REPORTS THAT THE PLASTIC **FUEL** TANK HAD **CRACK**ED. NO INJURY. THE SAME INCIDENT HAPPENED TO A REPLACEMENT TANK. BOTH OF THE TANKS SPLIT WHERE THE SEAM HOLDS THE TANK TOGETHER. **FIRE** HAZARD.
H0460233A	2004-06-20	RIDING MOWER'S REPLACED **GAS** TANK WAS **CRACK**ED AT 3 DIFFERENT AREAS, WHERE THE SEAM IS LOCATED & **LEAK**ED **GAS**. NO INJURY. **FIRE** HAZARD.
H0460269A	2004-06-21	RIDING LAWN MOWER WAS STORED IN GARAGE WHEN IT EMITTED A STRONG **GAS** ODOR. OWNER FOUND THE LAWN MOWER'S **GAS** TANK **LEAK**ING FROM ITS SEAM. NO INJURY. **FIRE** HAZARD.
I0470082A	2004-06-23	LAWNMOWER'S **GAS** TANK IS **LEAK**ING AT SEAM. NO INJURY. **FIRE** HAZARD.
I0460450A	2004-06-25	**GAS** TANK OF A LAWN TRACTOR **LEAK**S AT THE SEAM, POURING **GAS** OUT. NO INJURY. **FIRE** HAZARD.
I0460470A	2004-06-25	THE **FUEL** TANK ON A GARDEN TRACTOR DEVELOPED A **CRACK** FOR NO REASON. NO INJURY.
H0470015A	2004-06-28	RIDING LAWN MOWER EMITTED **GAS** ODOR DURING USE. OWNER NOTICED **GAS** TANK WAS **LEAK**ING AT SEAMS. NO INJURY. **FIRE** HAZARD.
H0680075A	2004-07-01	THE SEAMS ON **GAS** TANK OF GARDEN TRACTOR ARE **LEAK**ING CREATING A POSSIBLE **FIRE** HAZARD. NO INJURY.

I0470403A	2004-07-01	THE PLASTIC **GAS** TANK ON A LAWN TRACTOR STARTED TO SPLIT OPEN AT THE SEAMS. NO INJURY.
H0480009A	2004-07-01	A MAN SMELLED A **GAS** TYPE ODOR IN HIS GARAGE AND NOTICED THAT THE **GAS** WAS **LEAK**ING FROM THE SEAM OF A TANK ON A RIDING LAWN MOWER WHILE IT WAS NOT IN USE. NO INJURY. **FIRE** HAZARD.
H04A0262A	2004-07-01	GARAGE EMITTED **GAS** TYPE ODOR. OWNER FOUND **GAS** ON THE GARAGE FLOOR. THE RIDING LAWN TRACTOR'S WAS **LEAK**ING **GAS** FROM THE TANK'S SEAM. NO INJURY. **FIRE EXPLO**SION HAZARD.
H04B0031A	2004-07-01	WHILE **FUEL**ING RIDING LAWN MOWER **GAS LEAK**ED FROM THE MOWER'S PLASTIC TANK. OWNER THINKS IT MAY BE **LEAK**ING FROM THE TANK'S SEAM. **FIRE** & **EXPLO**SION HAZARD. NO INJURY.
H0670223A	2004-07-01	RIDING LAWN MOWER'S **GAS** TANK HAD SEPARATED AT THE SEAM. NO INJURY.
I0470200A	2004-07-03	A FEMALE, AGE 42, SUFFERED 2ND DEGREE BURNS WHEN HER RIDING LAWN MOWER CAUGHT **FIRE** WHILE SHE WAS **FUEL**ING IT. THE UNIT WAS IN OFF POSITION BUT IT'S ENGINE MAY HAVE BEEN WARM. THERE IS A **CRACK** IN THE **GAS** LINE. THE **FIRE** DESTROYED A NEARBY BOT & CAR.
I0550420A	2004-07-07	**GAS** TANK ON LAWN MOWER **LEAK**S AT SEAMS AND TWO STRESS **CRACK**S. NO INJURY.
H0470174A	2004-07-08	**GAS**OLINE WAS FOUND **LEAK**ING FROM THE TANK OF A RIDING LAWN MOWER. THE TANK WAS **CRACK**ED. NO INJURY.
H0480106A	2004-07-08	THE **FUEL** TANK ON A **GAS** POWERED WALK BEHIND LAWN MOWER HAS **CRACK**ED AND **GAS**OLINE CAN **LEAK** OUT. NO INJURY, **FIRE** HAZARD.
H0470197A	2004-07-09	OWNER SMELLED A **GAS** TYPE ODOR INSIDE HIS GARAGE WHERE THE LAWN TRACTOR IS STORED & NOTICED A DRIP OF **FUEL** UNDER THE TRACTOR. HE FOUND SEVERAL **CRACK**S UNDERNEATH THE PLASTIC **GAS** TANK. NO INJURY. **FIRE** HAZARD.
I0470255A	2004-07-13	A LAWN TRACTOR'S **FUEL** TANK **CRACK**ED AND **LEAK**ED **GAS**OLINE. NO INJURY. **FIRE** HAZARD.
H0470192A	2004-07-15	**RIDING LAWN MOWER EMITTED GAS ODOR. OWNER FOUND MOWER'S PLASTIC GAS TANK HAD SPLIT AROUND SEAMS. NO INJURY. FIRE HAZARD.**
H0520311A	2004-07-15	THE PLASTIC **FUEL** TANK SPLIT ALONG THE SEAM ON A RIDING LAWN MOWER. NO INJURY.
H0530099A	2004-07-15	THE PLASTIC **FUEL** TANK ON A RIDING LAWN MOWER WILL NOT HOLD ANY **FUEL** AT ALL DUE TO A **CRACK**. NO INJURY.
H0470198A	2004-07-18	RIDING LAWN MOWER **LEAK**ED **GAS** DURING USE. THE UNIT'S PLASTIC **GAS** TANK HAD **CRACK**ED ALONG IT'S SEAMS. NO INJURY. **FIRE** HAZARD.
H0470335A	2004-07-24	WHILE USING A RIDING LAWN MOWER, ITS **GAS** TANK WAS POURING OUT **GAS**. OWNER DISCOVERED THAT THE SEAM OF THE **GAS** TANK HAD SEPARATED. NO INJURY.
I0480123A	2004-07-29	THE **FUEL** TANK ON A RIDING LAWN MOWER **CRACK**ED AND BEGAN **LEAK**ING **FUEL** WHILE IN USE. NO INJURY. POSES A **FIRE** OR **EXPLO**SION HAZARD.
I0470639A	2004-07-31	GARDEN TRACTOR'S PLACTIC **FUEL** TANK WAS **CRACK**ED & **LEAK**ING **GAS**. NO INJURY. **FIRE** HAZARD.
H0480003A	2004-08-01	**A MAN WAS RIDING A LAWN MOWER UP A RAMP WHEN HE SAW GAS FUEL POURING OUT OF THE MOWER'S GAS TANK. HE DISCOVERED THAT THE GAS WAS LEAKING FROM THE GAS TANK'S SEAM. NO INJURY. FIRE HAZARD.**
H0490072A	2004-08-01	CONSUMER WAS USING RIDING POWER LAWN MOWER WHEN HE NOTICED THE **GAS** TANK WAS **LEAK**ING **FUEL** WHERE THE SEAM OF THE TANK IS LOCATED, DISCONTINUED USE - NO INJURY.
I0480057A	2004-08-01	A WALK-BEHIND LAWN MOWER **LEAK**ED **GAS** FROM ITS TANK AFTER IT WAS FILLED. A **CRACK** WAS FOUND IN THE TANK'S MANUFACTURING SEAMS. NO INJURY.
I0480187A	2004-08-01	**GAS** WAS **LEAK**ING FROM A ROTARY POWER LAWN MOWER'S **GAS** TANK CAUSED BY A **CRACK**. NO INJURY. SAFETY HAZARD.
I0480159A	2004-08-04	THE **GAS** TANK ON A RIDING LAWN MOWER WAS FOUND **LEAK**ING DURING USE. **CRACK**S WERE FOUND ABOVE THE SEAM. NO INJURY.
I0480252A	2004-08-07	THE **FUEL** TANK ON A RIDING LAWN MOWER **CRACK**ED AND **LEAK**S **GAS**OLINE. NO INJURY. **FIRE** HAZARD.
I0480215A	2004-08-10	CONSUMER NOTICED THE TWO PIECE **GAS** TANK, OF A LAWN TRACTOR, BEGAN **LEAK**ING AT SEAM - INJURY UNKNOWN.
I0480385A	2004-08-10	OWNER SMELLED A STRONG **GAS**OLINE ODOR IN HIS GARAGE AND NOTICED THAT THE **FUEL** LINE CONNECTS WITH THE **GAS** TANK OF A RIDING LAWN MOWER WAS **LEAK**ING. THE TANK WAS **CRACK**ED AND THE **FUEL** LINE INTACT. NO INJURY.
H0480142A	2004-08-11	CONSUMER NOTICED **GAS** WAS **LEAK**ING FROM LAWN TRACTOR'S **GAS** TANK SEAM, AFTER WIFE POINTED OUT ODOR COMMING FROM GARAGE. CONSUMER CALLED MANUFACTURER WHO SAID TRACTOR IS NOT UNDER RECALL - NO INJURY.

H0480195A	2004-08-12	RIDING LAWN MOWER **LEAK**ED **GAS**OLINE FROM THE SEAMS OF THE **GAS** TANK & EMITTED A **GAS** ODOR. NO INJURY. **FIRE** HAZARD.
H0480182A	2004-08-14	THE **GAS** TANK ON A GARDEN TRACTOR **LEAK**ED **GAS**OLINE ON THE GARAGE FLOOR THROUGH THE SEAM. NO INJURY. POSES A **FIRE** HAZARD.
H0480217A	2004-08-19	CONSUMER SMELLED AN ODOR OF **GAS**OLINE IN HIS GARAGE AND NOTICED A HAIRLINE **CRACK** ABOVE THE SEAM & BELOW THE SEAM OF A LAWN TRACTOR'S **FUEL** TANK, WHERE THE PLASTIC TANK WAS PUT TOGETHER. NO INJURY. **FIRE** HAZARD.
I0480493A	2004-08-20	**LAWN/GARDEN TRACTOR'S FUEL TANK LEAKED AT THE SEAM WHERE THE TWO HALVES ARE MOLDED TOGETHER. REPLACED TANK IS EXACT SAME DESIGN & OWNER IS CONCERNED IT MAY FAIL AT THE SEAM AS WELL. NO INJURY. FIRE HAZARD.**
I0480368A	2004-08-20	**GAS** TANK ON WALK BEHIND POWER MOWER DEVELOPED STRESS **CRACK**S & **LEAK**ED **GAS** ONTO THE ENGINE. NO INJURY. **FIRE** HAZARD.
I0480436A	2004-08-25	OWNER SMELLED A **GAS**OLINE ODOR CAME FROM HIS LAWN TRACTOR AND NOTICED THE TRACTOR'S **FUEL** TANK **CRACK**ED AND **LEAK**ED **GAS**OLINE. NO INJURY. **FIRE** HAZARD.
H0510146A	2004-09-01	**WHILE FILLING GAS INTO A RIDING LAWN MOWER'S GAS TANK, OWNER NOTICED GAS WAS LEAKING FROM THE TANK WHERE THE SEAM IS LOCATED. NO INJURY.**
I0490319A	2004-09-01	**A RIDING LAWN MOWER'S GAS TANK WAS SPLIT IN THE SEAM & LEAKED GASOLINE WHICH COULD CREATE A FIRE. NO INJURY.**
I0540406A	2004-09-01	**GAS** TANK **CRACK**ING IN SEVERAL LOCATIONS ON RIDING LAWN MOWER. NO INJURIES.
I0490100A	2004-09-05	LAWN TRACTOR'S PLASTIC **FUEL** TANK **LEAK**S. THE SEAM BETWEEN THE TWO PARTS OF THE TANK IS LOOSE. OWNER IS UNABLE TO PUT **FUEL** MORE THAN 3/4 OF THE TANK. NO INJURY. **FIRE** HAZARD.
H0490222A	2004-09-15	A RIDING LAWN MOWER **LEAK**ED **GAS** FROM THE **GAS** TANK'S SEAM WHILE IN USE. NO INJURY. **FIRE**/**EXPLO**SION HAZARD.
I04A0160A	2004-09-15	A RIDING LAWN MOWER'S **GAS** TANK WAS SPLIT IN THE SEAM & **LEAK**ED **GAS**OLINE NO INJURY. POSES AN **EXPLO**SION/**FIRE** HAZARD.
I04A0030A	2004-09-18	WHILE FILLING THE POWER PUSH LAWN MOWER'S **GAS** TANK, OWNER NOTICED THAT THE **GAS**OLINE **LEAK**ED FROM THE SEAM WHERE THE TOP HALF AND BOTTOM HALF OF THE TANK MEET. NO INJURY. **FIRE** HAZARD.
H04A0057A	2004-10-04	CONSUMER HAS NOTICED HIS MANUAL **GAS** POWERED LAWN MOWER IS **LEAK**ING ALONG THE SEAM OF IT'S **GAS** TANK - NO INJURIES.
I04A0497A	2004-10-25	**GAS LEAK**ED FROM THE FRONT OF LAWN TRACTOR DURING USE. THE **GAS** WAS **LEAK**ING FROM A **CRACK**ED **FUEL** LINE THAT RAN DIRECTLY OVER THE MUFFLER.
H04A0312A	2004-10-28	A MAN NOTICED THAT THE PLASTIC **FUEL** TANK ON HIS RIDING MOWER HAD **CRACK**ED - NO INJURY.
H04B0023A	2004-11-01	WHILE **FUEL**ING, RIDING LAWN MOWER **LEAK**ED **GAS** FROM THE SEAMS OF THE **GAS** TANK. A MALE, AGE 50, INHALED FUMES & EXPERIENCED HEADACHE.
I0560397A	2004-11-01	**GAS** TANK OF A PUSH MOWER SPLITS AT SEAMS & DRIPS **GAS** OVER THE HOT MOTOR CREATING HAZARDOUS SITUATION. DEALER STATES HE HAS REPLACED OVER 60 **GAS** TANKS & THAT THE MANUFACTURER IS AWARE OF THE PROBLEM. NO INJURY.
I04B0099A	2004-11-07	THE **GAS** TANK ON THE LAWN MOWER HAS SPLIT ALONG THE SEAMS, **LEAK**ING **GAS**OLINE. NO INJURY. **FIRE** HAZARD.
H04B0194A	2004-11-10	A MAN NOTICED A STRONG **GAS** ODOR IN HIS GARAGE & DISCOVERED A **CRACK** IN THE BOTTOM OF THE RIDING LAWN MOMER'S **GAS** TANK NEAR THE SEAM. NO INJURY.
H04B0327A	2004-11-17	A RIDING LAWN MOWER'S TANK WAS **LEAK**ING WHILE IN USE. CONSUMER NOTICED **GAS** WAS POURING OUT FROM THE **GAS** TANK'S SEAMS. NO INJURY. SAFETY HAZARD.
I04B0531A	2004-11-22	A MAN'S THREE YEAR OLD TRACTOR'S PLASTIC **GAS** TANK IS **CRACK**ED, DUMPED ENTIRE **FUEL** SUPPLY ONTO COOLING FAN FOR TRANSAXLE, UNDER SEAT AREA OF TRACTOR COVERED IN **GAS**OLINE - NO INJURY.
H04C0006A	2004-11-26	A MAN'S RIDING POWER LAWN MOWER IS EMITTING **GAS** ODOR WHILE "OFF" AND **LEAK**ING **GAS** AT SEAM - NO INJURY.
I04B0508A	2004-11-26	A MAN NOTICED LAWN MOWER'S **FUEL** TANK IS **LEAK**ING ALONG SEAM WHERE THE UPPER AND LOWER HALVES OF THE TANK ARE JOINED TOGETHER, REPLACED SIMILAR MOWER ENGINE WITH THE SAME PROBLEM IN 2001 - NO INJURY.
I0510595A	2005-01-01	CONSUMER REPORTS THAT THE PLASTIC **FUEL** TANK ON A LAWN TRACTOR **CRACK**ED ON THE TWO SECTIONS WERE FUSED TOGETHER AND **LEAK**ED **GAS**OLINE. NO INJURY.
I1050879A	2005-01-01	SELF PROPELLED LAWN MOWER HAS A STRESS **CRACK** IN THE **FUEL** TANK CAUSING A **FUEL LEAK**.

H0590215A	2005-02-01	**GAS** WAS DRIPPING FROM THE RIDING LAWN MOWER'S **FUEL** TANK ONTO THE TIRES & FLOOR. CONSUMER INSPECTED THE **FUEL** TANK & NOTICED A SMALL **CRACK** IN THE SEAM. NO INJURY. THE **FUEL** TANK IS NOT INCLUDED IN THE RECALL.
H0520110A	2005-02-06	A RIDING LAWN MOWER'S **GAS** TANK WAS REPAIRED UNDER THE RECALL PROGRAM. CONSUMER PULLED THE MOWER OUT OF THE GARAGE & NOTICE MOISTURE COMING OUT OF THE TANK & DISCOVERED THAT THE TANK HAD SPLIT. NO INJURY. POSES AN **EXPLO**SION HAZARD.
I0520249A	2005-02-12	OWNER FOUND A CONSIDERABLE **LEAK** IN THE LAWN MOWER'S PLASTIC **FUEL** TANK ASSEMBLY WHEN THE TANK WAS FULL. THE TANK HAS **CRACK**ED TO THE FRONT & LEFT OF **FUEL** FILLER CAP.
H0590133A	2005-02-15	THE RIDING LAWN MOWER'S **FUEL** TANK STARTED TO **LEAK** WITHIN 3 TO 4 MONTHS OF PURCHASE. THE SEAM WAS BROKEN FROM THE TOP OF THE **FUEL** TANK. NO INJURY. **FIRE** HAZARD.
H0520278A	2005-02-21	OWNER WAS FILLING LAWN TRACTOR'S PLASTIC **GAS** TANK WHEN **FUEL LEAK**ED FROM THE **CRACK**S AT THE SEAMS OF THE TANK ONTO THE CONCRETE SURFACE. NO INJURY. **FIRE**/**EXPLO**SION HAZARD.
H0560121A	2005-03-01	WHILE FILLING A RIDING LAWN MOWER'S TANK, OWNER NOTICED THAT THE TANK WAS **LEAK**ING **GAS** FROM THE SEAM. NO INJURY. **FIRE** HAZARD.
H0560376A	2005-03-01	RIDING LAWN MOWER'S PLASTIC **GAS** TANK **CRACK**ED & **LEAK**ED **GAS** IN OWNER'S GARAGE. MANUFACTURER STATED THE UNIT WAS RECALLED. NO INJURY. **FIRE**/ **EXPLO**SION HAZARD.
H0530153A	2005-03-13	**GAS** WAS **LEAK**ING THROUGH THE SEAM OF A PLASTIC TANK AND ONTO THE RIDING LAWN MOWER'S ENGINE. NO INJURY. POSES A **FIRE** HAZARD.
H0530299A	2005-03-21	A RIDING LAWN MOWER'S **FUEL** TANK STARTED **LEAK**ING **GAS** FROM BETWEEN THE SEAM. NO INJURY. POSES A **FIRE** HAZARD.
H0540015A	2005-03-24	SELF PROPELLED PUSH MOWER EMITTED SMOKE DURING USE. THE UNIT'S PLASTIC **GAS** TANK HAD SPLIT ALONG THE SEAMS. NO INJURY. OWNER IS CONCERNED REPLACEMENT TANK MAY BE MADE OF THE SAME MATERIAL & MAY SPLIT AS WELL.
I0540157A	2005-04-01	LAWN TRACTOR'S **FUEL** TANK IS **LEAK**ING FROM THE SEAM. THE TANK IS FORMED FROM TWO PIECES & PRESSED TOGETHER WITH A **GAS**KET BETWEEN THEM.
H0540289A	2005-04-09	RIDING LAWN MOWER **LEAK**ED **FUEL** DURING USE. OWNER REPLACED THE RUBBER TUBE ON THE **FUEL** LINE BUT THE PROBLEM PERSISTED. THERE WAS A **CRACK** IN THE PLASTIC **GAS** TANK NEAR THE TIP WHERE IT INSERTS INTO THE **FUEL** LINE. NO INJURY.
H0550081A	2005-04-22	**WHILE POURING GAS INTO A RIDING LAWN MOWER'S GAS TANK, OWNER NOTICED GAS LEAKING FROM THE TANK ONTO THE CONCRETE FLOOR. OWNER NOTICED THAT THE TANK WAS CRACKED AT THE SEAM. NO INJURY. FIRE HAZARD.**
H0540322A	2005-04-24	**GAS** RAN OUT OF LAWN MOWER DURING USE. OWNER FILLED **GAS** TANK & REALISED THAT THE TANK WAS SEPARATING AT THE SEAM & **LEAK**ING **FUEL**. NO INJURY. **FIRE** HAZARD.
H0550074A	2005-04-25	CONSUMER SMELLED A STRONG FUME ODOR COMING FROM THE GARAGE AND NOTICED THAT THE **GAS** TANK ON A GARDEN TRACTOR **LEAK**ED **GAS**OLINE. CONSUMER DISCOVERED THAT THE **GAS** TANK HAD SPLIT AT THE SEAM. NO INJURY.
H0550182A	2005-05-08	WHILE USING A ROTARY LAWN MOWER, OWNER NOTICED **GAS** WAS **LEAK**ING FROM THE TANK WHERE THE SEAM IS LOCATED. NO INJURY.
H1020250A	2005-05-15	CONSUMER NOTICED **GAS LEAK** IN THE GARDEN TRACTOR BETWEEN THE SEAMS WHERE THE **GAS** TANK IS PUT TOGETHER. CONSUMER REPLACED THE **GAS** TANK. CONSUMER STATES THE **GAS** TANK HAS TO BE REPLACED ABOUT EVERY TWO YEARS BECAUSE OF **GAS LEAK**ING AT THE SAME PLACE.
H0560145A	2005-05-27	SOMETIME, AFTER FILLING WALK BEHIND LAWN MOWER'S **GAS** TANK OWNER SMELLED A **GAS** ODOR. THE MOWER'S **GAS** TANK WAS **LEAK**ING AT THE SEAMS. OWNER FOUND THE TANK **LEAK**S WHEN IT IS FULL. NO INJURY. **FIRE** HAZARD.
I0550484A	2005-05-29	LAWN TRACTOR'S **GAS** TANK DEVELOPED **CRACK**S AROUND THE BOTTOM, CAUSING ALL THE **GAS**OLINE TO **LEAK** OUT OF THE TANK WHILE IN GARAGE. NO INJURY.
H0570012A	2005-06-01	**GAS** WAS **LEAK**ING FROM A RIDING LAWN MOWER'S **FUEL** TANK. OWNER NOTICED THAT THE **GAS** TANK HAD A **CRACK** THAT RUNS ALONG THE SEAM. NO INJURY.
H0570329A	2005-06-01	A RIDING LAWN MOWER'S **GAS** TANK STARTED **LEAK**ING **GAS** FROM THE SEAM WHILE POURING **GAS** INTO THE TANK. NO INJURY. **FIRE** HAZARD.
H0660278A	2005-06-01	WHILE FILLING UP A WALK-BEHIND LAWN MOWER'S **GAS** TANK, CONSUMER NOTICED A **GAS LEAK**. CONSUMER DISCOVERED A **CRACK** AT THE SEAM OF THE PLASTIC TANK. NO INJURY. THE SAME INCIDENT OCCURRED TO AN IDENTICAL LAWN MOWER.
H0560243A	2005-06-10	RIDING LAWN MOWERS **GAS** TANK HAS SEVERAL **CRACK**S & CORROSION. **GAS** IS **LEAK**ING FROM PLASTIC **GAS** TANK. NO INJURIES.

H0560201A	2005-06-14	OWNER NOTICED A WET **GAS**OLINE STAIN ON THE OUTSIDE OF THE TANK OF HIS RIDING LAWN TRACTOR. THE PLASTIC **GAS**OLINE TANK HAD **CRACK**ED AT THE SEAM. NO INJURY. **FIRE** HAZARD.
I0560323A	2005-06-18	WHEN RIDING MOWER/ GARDEN TRACTOR WAS STARTED, ITS **FUEL** LINE FAILED, **SPRAY**ING **GAS**OLINE ONTO THE ENGINE & CAUSING A **FIRE**. THE **FUEL** LINE LEADING FROM THE FILTER & THE CARBURETOR WERE SEVERELY **CRACK**ED & WERE IN CLOSE PROXIMITY TO ENGINE. NO INJURY.
H0560406A	2005-06-29	RIDING LAWN MOWER PARKED IN A SHED **LEAK**ED **GAS**OLINE. OWNER FOUND THREE **CRACK**S IN THE MIDDLE OF THE BOTTOM TANK. NO INJURY. **FIRE** HAZARD.
I0570009A	2005-06-30	OWNER'S LAWN TRACTOR **FUEL** TANK **LEAK**ED OUT IN THE GARAGE DUE TO A **CRACK** IN THE TANK AND THE HOUSE WAS FILLED WITH **GAS**OLINE VAPORS. PEOPLE IN THE HOUSE EXPERIENCED SORE THROATS AND HEADACHES.
H0570220A	2005-07-01	OWNER SMELLED A **GAS** TYPE ODOR & FOUND THE RIDING LAWN TRACTOR **LEAK**ING **FUEL** FROM IT'S TANK SEAMS & ONTO THE BASEMENT FLOORING. NO INJURY. **FIRE** HAZARD.
H0690231A	2005-07-01	THE **GAS** TANK ON A LAWN TRACTOR STARTED **LEAK**ING AT THE SEAM. THE SAME THING OCCURRED AFTER CONSUMER PLACED A PUTTY TYPE OF SEAL AROUND THE SEAM. NO INJURY. POSES A **FIRE** HAZARD.
H0620064A	2005-07-01	**WALK BEHIND POWER LAWN MOWER WAS LEAKING & CONSUMER DISCOVERED THAT THERE WAS A CRACK IN THE SEAMS OF THE MOWER'S PLASTIC FUEL TANK. NO INJURY. FIRE HAZARD.**
I0640046A	2005-07-01	**THE PLASTIC GAS TANK ON A LAWN TRACTOR DEVELOPED A CRACK CAUSING A FUEL LEAK. NO INJURY. FIRE HAZARD.**
I0670148A	2005-07-02	**THE PLASTIC GAS TANK ON A LAWN TRACTOR STARTED LEAKING AT THE SEAM. OWNER FEELS THAT THIS GAS TANK SHOULD ALSO BE INCLUDED IN THE RECALL. NO INJURY. FIRE HAZARD.**
H0570118A	2005-07-05	THE **FUEL** TANK ON RIDING GARDEN TRACTOR HAS SPLIT AT THE SEAMS. NO INJURIES.
H0590279A	2005-07-15	THE PLASTIC **FUEL** TANK OF A LAWN MOWER **LEAK**S **GAS**OLINE FROM THE SEAMS WHERE IT IS GLUED TOGETHER. NO INJURY. **FIRE** HAZARD.
H0590223A	2005-07-15	A LAWN MOWER'S PLASTIC **FUEL** TANK WAS **LEAK**ING. CONSUMER NOTICED THAT THE SEAM ON THE TANK HAD SPLIT. NO INJURY.
H0570211A	2005-07-16	THE **GAS** TANK ON A LAWN TRACTOR **LEAK**ED **GAS**OLINE THROUGH A SEAM. NO INJURY. POSES A SAFETY HAZARD.
I0570347A	2005-07-19	CONSUMER'S **FUEL** TANK ON A LAWN MOWER SEAM BROKE CAUSING **GAS**OLINE TO **LEAK** OUT WHILE MOWING CAUSING A **FIRE**. HE WAS ABLE TO PUT IT OUT WITH NO DAMAGE OR INJURY.
I0580055A	2005-07-21	LAWN TRACTOR'S **FUEL** TANK WAS **CRACK**ED & **LEAK**ED **GAS**OLINE ON OWNER'S GARAGE FLOOR. NO INJURY.
I0570387A	2005-07-23	A GARDEN TRACTOR'S 4 GALLON **FUEL** TANK IS **LEAK**ING ON RIGHT SIDE AT SEAM. IT APPEARS THAT THE TANK WAS MODIFIED (OVER TRIMMED IN 2 PLACES) SO THE MOUNT BRACKET WOULD FIT. NO INJURY.
I0570429A	2005-07-25	PUSH LAWN MOWER'S **GAS** TANK DEVELOPED A **CRACK** NEAR THE SEAM CAUSING **GAS**OLINE TO **LEAK** DURING MOWER USE. NO INJURY. **FIRE**/ **EXPLO**SION HAZARD.
I0580482A	2005-08-01	A CONSUMER NOTICED THAT THE **GAS** TANK ON A GARDEN TRACTOR DEVELOPED **CRACK**S. NO INJURY.
I0590524A	2005-08-01	THE NEW LAWN TRACTOR'S **GAS** TANK DEVELOPED **CRACK**S, CAUSING ALL THE **GAS**OLINE TO **LEAK** OUT OF THE TANK WHILE IN AN ENCLOSED GARAGE. NO INJURY.
H0580342A	2005-08-01	RIDING LAWN MOWER'S **GAS** TANK **CRACK**ED & **LEAK**ED **GAS**OLINE. THE TANK WAS **LEAK**ING FROM THE AREA WHERE SCREWS SECURE THE **GAS** TANK. NO INJURY. **FIRE** HAZARD.
H0580299A	2005-08-03	**THE PLASTIC FUEL TANK ON THE RIDING LAWN MOWER SPLIT & SPEWED HOT GAS ONTO OWNER'S FEET. THE REPLACEMENT TANK ALSO SPLIT IN THE SAME EXACT LOCATION. THE TANK SHOULD BE INCLUDED IN THE RECALL. NO INJURY. FIRE HAZARD.**
I0590317A	2005-08-10	A MAN WAS FILLING THE TANK ON HIS WALK-BEHIND LAWN MOWER WHEN **GAS** SPILLED OUT FROM BELOW. HE FOUND THAT THE PLASTIC **FUEL** TANK HAD A SPLIT SEAM. NO INJURY. **FIRE** HAZARD.
H0580404A	2005-08-10	CONSUMER DISCOVERED THAT THE PLASTIC **FUEL** TANK ON THE RIDING LAWN TRACTOR HAS SPLIT AND **FUEL LEAK**ED FROM THE TRACTOR. NO INJURY.
H0650094A	2005-08-15	WHILE USING A WALK-BEHIND POWERED LAWN MOWER, OWNER DISCOVERED THE **FUEL** SPILLED ON HER MOWER & OVER HER GARAGE. NO INJURY. THE PLASTIC **GAS** TANK WAS **CRACK**ED. .
I0580345A	2005-08-20	THE PLASTIC **GAS** TANK ON A GARDEN TRACTOR STARTED **LEAK**ED **GAS** AT THE SEAM. NO INJURY.
H0590020A	2005-08-30	RIDING LAWN MOWER'S TANK SPLIT & **LEAK**ED **GAS**OLINE. NO INJURY. **FIRE** HAZARD.
H05B0129A	2005-08-31	RIDING LAWN MOWER **LEAK**ED **GAS**OLINE FROM THE SEAM LOCATED ON THE **GAS** TANK ONTO A GIRL'S LEG DURING USE. NO INJURY. THE UNIT HAS THE SAME PROBLEM AS THE RECALLED ONES.
H0660298A	2005-09-01	A RIDING LAWN MOWER **LEAK**ED **GAS** DURING USE. THE **FUEL** TANK WAS FOUND SPLIT AT THE SEAMS. NO INJURY. **FIRE** HAZARD.

I0640125A	2005-09-01	WALK BEHIND MOWER'S **FUEL** TANK **LEAK**S AT SEAM & DRIPS **GAS**OLINE ONTO MOWER DECK. NO INJURY. **FIRE** HAZARD.
I0590025A	2005-09-02	CONSUMER REPORTS THAT THE **FUEL** TANK OF A POWERED LAWN MOWER **CRACK**ED. **FIRE** HAZARD. NO INJURY.
I0590117A	2005-09-04	THE **FUEL** TANK ON A WALK BEHIND LAWN MOWER STARTED **LEAK**ING AT THE SEAM. NO INJURY. **FIRE** HAZARD.
I0590147A	2005-09-07	FIVE YEAR OLD LAWN MOWER'S PLASTIC **GAS** TANK **CRACK**ED & **LEAK**ED **GAS**. A DIFFERENT MOWER HAS BEEN RECALLED FOR THE SAME PROBLEM. NO INJURY. **FIRE** HAZARD.
C0610021A	2005-09-08	LAWN TRACTOR **LEAK**ED **GAS**OLINE ON THE GARAGE FLOOR & EMITTED **GAS** ODOR. THE PLASTIC **GAS**OLINE TANK HAD **CRACK**ED & SPLIT. NO INJURY. **FIRE** HAZARD.
I0590175A	2005-09-10	**FAULTY DESIGN CAUSED THE FUEL TANK OF A LAWN MOWER TO CRACK AT A CORNER WHERE THE ROUND TOP BRACKET IS ATTACHED. A LARGE BOLT HOLE AT THE BOTTOM OF THE TANK WAS NOT LINED UP. NO INJURY. FIRE HAZARD.**
H0590112A	2005-09-11	WHILE FILLING RIDING LAWN MOWER'S **GAS** TANK OWNER NOTICED **GAS LEAK**ING FROM THE TANK'S SEAM. NO INJURY. **FIRE** HAZARD.
H0590312A	2005-09-15	THE RIDING LAWN MOWER'S **GAS** TANK WAS **LEAK**ING AT THE SEAM. THE UNIT WAS STORED IN THE GARAGE. NO INJURY. POSES A **FIRE**/**EXPLO**SION HAZARD.
H0590197A	2005-09-19	LAWNMOWER'S **GAS** TANK **LEAK**ED **GAS** FROM THE TANK'S SEAM AS OWNER WAS FILLING THE TANK. NO INJURY. **FIRE** HAZARD.
H0590298A	2005-09-25	RIDING LAWN MOWER'S **FUEL** TANK **CRACK**ED AND **LEAK**ED **FUEL** DURING USE. NO INJURY. **FIRE** HAZARD.
I0590547A	2005-09-26	THE **FUEL** TANK OF A GARDEN TRACTOR WAS BADLY SPLIT & BEGAN TO **LEAK**. NO INJURY. **FIRE** HAZARD.
H0590318A	2005-09-28	THE **FUEL** TANK ON A LAWN TRACTOR STARTED **LEAK**ING. CONSUMER NOTICED A **CRACK** IN THE **FUEL** TANK'S SEAM. NO INJURY. **FIRE** HAZARD.
H0590323A	2005-09-28	OWNER NOTICED HOUSE FULL OF FUMES & FOUND THE TANK OF THE RIDING LAWN MOWER PARKED IN THE BASEMENT WAS **LEAK**ING AT THE SEAMS. NO INJURY. HE FEELS UNIT SHOULD BE INCLUDED IN THE RECALL.
I05B0060A	2005-10-01	THE **GAS** TANK OF A LAWN TRACTOR DEVELOPED A **LEAK** ALONG THE SEAMS, WHERE THE TWO HALVES OF THE TANK ARE JOINED. THE LAWN TRACTOR **LEAK**ED WHILE PARKED IN A GARAGE WHERE A **GAS** FURNACE & A **GAS** WATER HEATER ARE ALSO LOCATED. NO INJURY.
I05A0223A	2005-10-12	RIDING LAWN MOWER'S PLASTIC **GAS** TANK SPLIT, SPILLING **GAS**OLINE. NO INJURY. **FIRE** HAZARD.
H0730211A	2005-10-20	**FUEL** TANK OF GARDEN TRACTOR HAS A SPLIT DOWN THE SEAM AND **LEAK**S. NO INJURY.
I0620212A	2005-11-01	THE FUEL TANK ON A WALK BEHIND POWER LAWN MOWER STARTED **LEAK**ING AT THE SEAM. NO INJURY. OTHER DIFFERENT MANUFACTURER RECALLED MOWERS HAVING SIMILAR PROBLEMS.
I05B0130A	2005-11-07	**FUEL** TANK OF A LESS THAN YEAR OLD LAWN TRACTOR WAS REPLACED UNDER THE RECALL PROBLEM. NOW THE REPLACED TANK HAS **CRACK**ED, SPILLING **GAS**OLINE IN THE STORAGE SHED & FILLING IT WITH THICH VAPORS. NO INJURY. **EXPLO**SION HAZARD.
I1020992A	2006-01-01	RIDING POWER LAWN MOWER'S **GAS** TANK **LEAK**S AT THE SEAM.
H0620043A	2006-02-02	RIDING LAWN MOWER'S **GAS** TANK **LEAK**ED & EMITTED A **GAS** ODOR WHILE STORED IN GARAGE. THE **GAS** LINE WAS REPLACED WHEN THE SAME INCIDENT OCCURRED. OWNER FOUND THE BOTTOM PORTION OF THE PLASTIC **GAS** TANK **CRACK**ED. NO INJURY.
I0640167A	2006-04-06	LAWNMOWER STARTED **LEAK**ING DURING USE. OWNER FOUND A THE **LEAK** HAD OCCURRED IN THE SEAM JOINTS OF THE PLASTIC **GAS**OLINE TANK. NO INJURY. **FIRE** HAZARD.
H0650067A	2006-04-08	WHILE FILLING UP A WALK-BEHIND LAWN MOWER, OWNER NOTICED **FUEL** WAS **LEAK**ING FROM THE PLASTIC **GAS** TANK. TWO **CRACK**S WERE FOUND AT THE SEAM OF THE TANK. NO INJURY. POSES A **FIRE** OR **EXPLO**SION HAZARD.
I0640145A	2006-04-08	IMMEDIATELY AFTER FILLING **GAS** TANK, RIDING LAWN MOWER STARTED **LEAK**ING. OWNER NOTICED THE BOTTOM OF THE TANK HAD **CRACK**ED. NO INJURY. **FIRE** HAZARD.
I0640136A	2006-04-08	PLASTIC **FUEL** TANK OF A SELF PROPELLED LAWN MOWER **CRACK**ED **LEAK**ING **GAS**OLINE & FUMES. NO INJURY.
H0660144A	2006-04-15	A RIDING LAWN MOWER'S PLASTIC **FUEL** TANK DEVELOPED A **LEAK** NEAR THE SEAM. NO INJURY. SAFETY HAZARD.

H1140062A	2006-04-15	The consumer says that the **fuel** tank in the lawn mower **leak**s. Consumer says the unit poses a **fire** hazard because the **fuel** tank **crack**s and is defective. Consumer contacted the manufacturer and they told him it is not under warranty and there is nothing they can do. The consumer said the retailer notified him that its not the their responsibility to notify anyone of a recall if they didnt purchase an extended warranty. Consumer wants to know where the tank was made.
H0640139A	2006-04-16	A RIDING LAWN MOWER EMITTED A **GAS** TYPE ODOR. UNIT'S PLASTIC **GAS** TANK HAD A **CRACK** IN THE BOTTOM, CAUSING A **LEAK**. NO INJURY. **FIRE** HAZARD.
I0640507A	2006-04-25	**GAS** TANK ON SELF PROPELLED LAWN MOWER **CRACK**ED, AND **GAS LEAK**ED ONTO GARAGE FLOOR. NO INJURY. **FIRE** HAZARD.
I0640467A	2006-04-26	PUSH LAWN MOWER'S **LEAK**ED **GAS**OLINE OUT OF THE SEAM IN THE TANK ONTO THE MOTOR & THE CARRIAGE OF THE MOWER DURING USE. NO INJURY. **FIRE** HAZARD.
I0640437A	2006-04-26	PUSH-TYPE POWER LAWN MOWER'S **FUEL** TANK HAD **CRACK**ED & **GAS**OLINE **LEAK**ED OUT OF IT IN THE GARAGE.NO INJURY. **FIRE** HAZARD.
H0750115A	2006-05-01	OWNER OF A RIDING LAWN MOWER REPORTS THAT **GAS**OLINE WAS **LEAK**ING FROM THE SEAM OF THE PLASTIC **GAS** TANK. NO INJURY.
I0680168A	2006-05-01	A RIDING LAWN MOWER'S **GAS** TANK **LEAK**S AT SEAMS. NO INJURY. **FIRE** HAZARD.
H0660133A	2006-05-15	OWNER OF A GARDEN TRACTOR REPORTED THAT THERE ARE HAIRLINE **CRACK**S IN THE CORNERS OF THE **FUEL** TANK & **FUEL** WAS **LEAK**ING FROM IT. NO INJURY. **FIRE** HAZARD.
I0650282A	2006-05-15	**GAS**OLINE TANK ON A GARDEN TRACTOR DEVELOPED A SPLIT, CAUSING **GAS**OLINE TO DRIP ONTO THE GARAGE FLOOR. NO INJURY. **FIRE** HAZARD.
I0650405A	2006-05-24	A POWER LAWN MOWER'S **GAS** TANK SEAM SPLIT OPEN & SPILLED **GAS**OLINE ALL OVER. NO INJURY. **FIRE** HAZARD.
H0660030A	2006-05-29	OWNER SMELLED A **GAS** ODOR NEAR HIS GARDEN TRACTOR AND NOITCED **GAS** WAS IN THE AREA WHERE ONE OF THE BLADES IS LOCATED. HE DISCOVERED THAT THE **FUEL** TANK WAS **CRACK**ED AT THE SEAM. NO INJURY. **FIRE** HAZARD.
I0680608A	2006-05-29	**FUEL** TANK ON LAWN TRACTOR IS **LEAK**ING, POSSIBLY FROM A **CRACK**. NO INJURIES.
I0680533A	2006-06-01	THE CONSUMER NOTICED **GAS** WAS POURING OUT OVER THE ENGINE WHEN THE CONSUMER WAS FILLING **GAS** TANK ON POWERED LAWN MOWER. THE **GAS** APPEARED TO BE **LEAK**ING THROUGH THE SEAM OF THE TANK.
H0660299A	2006-06-05	A RIDING LAWN TRACTOR'S **FUEL** TANK **LEAK**ED **GAS**. A SPLIT WAS FOUND ON THE BOTTOM OF THE **FUEL** TANK. NO INJURY. **FIRE** HAZARD.
H0660137A	2006-06-13	**GAS** WAS **LEAK**ING FROM **GAS** POWERED WALK BEHIND LAWN MOWER'S PLASTIC TANK'S SEAM. NO INJURY. **FIRE** HAZARD.
I0670267A	2006-07-01	THE **GAS** TANK ON A LAWN TRACTOR HAS A SEAM THAT BURST AND SPEWED **GAS**OLINE WHILE THE TRACTOR WAS RUNNING. NO INJURY. **FIRE** HAZARD.
H0670141A	2006-07-01	OWNER WAS FILLING **GAS** & NOTICED **GAS LEAK**ING FROM THE TANK OF A RIDING LAWN MOWER. THE TANK WAS SPLIT AT THE SEAM. NO INJURY. POSES A **FIRE**/**EXPLO**SION HAZARD.
I0670444A	2006-07-10	CONSUMER REPORTS SIGNIFICANT **FUEL LEAK** AT SEAM OF PLASTIC **FUEL** TANK ONSELF PROPELLED WALK-BEHIND LAWN MOWER. NO INJURY. **FIRE** HAZARD.
I0670291A	2006-07-15	LAWN TRACTOR'S **GAS** TANK DEVELOPED 5 **CRACK**S CAUSING ALL THE **GAS**OLINE TO **LEAK** OUT OF THE TANK AND ONTO THE SIDES OF THE HOT ENGINE. NO INJURY. **FIRE** HAZARD.
I0670550A	2006-07-21	**A GAS TANK ON A GARDEN TRACTOR BEGAN TO LEAK POSSIBLE BECAUSE OF SEAMS COMING APART. NO INJURY. FIRE HAZARD.**
H0680046A	2006-08-05	WHILE MOWING A WALK BEHIND LAWN MOWER CONSUMER NOTICED **GAS** WAS **LEAK**ING. AFTER INSPECTING THE LAWN MOWER THE CONSUMER DISCOVERED THAT THE **GAS** WAS **LEAK**ING FROM THE MOWER'S PLASTIC **GAS** SEAM. NO INJURY.
H0680204A	2006-08-06	A **FUEL** TANK OF THE LAWN TRACTOR WAS **CRACK**ED IN 4 DIFFERENT PLACES CREATING A POTENTIAL **FIRE** HAZARD. NO INJURIES.
I0680420A	2006-08-12	**WHEN CONSUMER WAS FILLING LAWN TRACTOR'S GAS TANK HE NOTICED A FUEL LEAK WHICH WAS CAUSED BY A CRACKED FUEL TANK FROM SEAM TO TOP OF TANK. NO INJURIES. FIRE HAZARD.**
H06A0051A	2006-08-15	**GAS TANK ON RIDING LAWN MOWER SPLIT AT THE SEAM CAUSING FUEL TO LEAK. NO INJURIES.**
H0680295A	2006-08-21	**RIDING LAWN MOWER GAS TANK HAD CRACKS AT THE SEAMS AND WAS LEAKING GAS. 50 YEAR OLD MALE SUSTAINED CHEMICAL BURNS TO BOTH LEGS.**

H0680341A	2006-08-24	CONSUMER DISCOVERD THAT RIDING LAWN MOWER'S **FUEL** TANK WAS **LEAK**ING WHERE THE SCREW GOES IN THE MIDDLE OF THE SEAM. CONSUMER BELIEVES IT IS SIMILAR TO THE ONES BEING RECALLED NO INJURIES
H0680339A	2006-08-24	CONSUMER FOUND A SMALL **CRACK** IN WALK BEHIND POWER LAWN MOWER'S **FUEL** TANK ALLOWING IT TO **LEAK FUEL**. NO INJURIES.
I0690042A	2006-09-01	LAWN TRACTOR'S **GAS** TANK SPLIT AT SEAM. IF TANK IS FILLED OVER HALF WAY **GAS**OLINE **LEAK**S PROFUSELY.
I06A0004A	2006-09-01	**FUEL** TANK ON POWERED LAWN MOWER **CRACK**ED CASUING A **FUEL LEAK**. NO INJURIES.
I0690060A	2006-09-04	55 YEAR OLD MALE NOTICED **FUEL LEAK**ING FROM THE SEAM OF THE GARDEN TRACTOR'S **FUEL** TANK. THE **FUEL** ALSO WAS DRIPPING DOWN INTO COOLING FAN OF HYDROSTATIC TRANSMISSION. NO INJURIES.
H0690009A	2006-09-04	CONSUMER WAS OPERATING LAWN TRACTOR AND NOTICED A STRONG **GAS** SMELL. CONSUMER DISCOVERED THAT **GAS** WAS POURING FROM THE SEAMS OF THE **GAS** TANK. NO INJURIES.
H0690134A	2006-09-16	RIDING LAWNMOWER WAS **LEAK**ING **FUEL**. CONSUMER'S SON REMOVED **FUEL** TANK AND DISCOVERED THAT THE **LEAK** WAS OCCURRING FROM THE SEAMS WHERE THE TANK WAS PUT TOGETHER. NO INJURY.
H0690159A	2006-09-20	RIDING LAWN MOWER'S PLASTIC **GAS** TANK SEPARATED AT THE SEAM AND IS **LEAK**ING **GAS**. NO INJURIES.
H06B0055A	2006-09-30	RIDING LAWN MOWER'S **FUEL** TANK WAS SEPARATING AT THE SEAMS & **GAS**OLINE WAS DRIPPING TO THE GROUND DURING USE. NO INJURY. **FIRE** HAZARD.
I06A0505A	2006-10-01	THE **FUEL** TANK OF RIDING LAWN MOWER HAD SEPERATED AT A MANUFACTURING SEAM AND HAD DUMPED APPROXIMATELY A GALLON OF **GAS**OLINE ON AND UNDER THE LAWNMOWER. NO INJURY. **FIRE** HAZARD.
H06A0010A	2006-10-02	**RIDING LAWN MOWER'S FUEL TANK SPLIT AT THE SEAMS AND ALLOWED FUEL TO LEAK FROM TANK. NO INJURIES.**
H06A0170A	2006-10-19	**FUEL TANK OF LAWN TRACTOR WAS CRACKED IN THE CORNERS & APPEARS TO HAVE SHRUNKEN, CAUSING IT TO LEAK GASOLINE. NO INJURY.**
I06A0500A	2006-10-29	SEAM OF WALK-BEHIND TROY-BILT MULCHING LAWNMOWER **FUEL** TANK SEPARATED **LEAK**ING **GAS**OLINE ONTO CONSUMER'S HANDS. NO INJURY. **FIRE** HAZARD.
H06C0057A	2006-10-30	**GAS**OLINE **LEAK**ED FROM **GAS** POWERED RIDING LAWN MOWER'S **FUEL** TANK ONTO GARAGE FLOOR. A **CRACK** LOCATED AT THE BOTTOM OF THE TANK LEADING TO THE CARBURETOR WAS FOUND. NO INJURY. **FIRE** HAZARD.
I06B0175A	2006-11-10	RIDING LAWN MOWER'S **FUEL** TANK HAD RUPTURED AT THE SEAM & **LEAK**ED **GAS**OLINE. NO INJURY. **FIRE**/ INHALATION HAZARD.
H0750163A	2007-01-01	A **GAS** ODOR CAME FROM A GARAGE, CONSUMER NOTICED A **CRACK** IN THE BOTTOM OF RIDING LAWN MOWER'S **FUEL** TANK AND **GAS**OLINE WAS FOUND ON THE FLOOR OF THE GARAGE. NO INJURY. **FIRE** HAZARD.
H0760031A	2007-02-15	A GARDEN TRACTOR'S PLASTIC **FUEL** TANK STARTED OUT WITH A SMALL **LEAK** AND EXPANDED GRADUALLY TO THE POINT THAT **FUEL** POURED OUT OF THE SEAMS. THERE ARE 3 DIFFERENT **CRACK**S IN THE 3-1/2 GALLON PLASTIC **FUEL** TANK. NO INJURY.
H0730154A	2007-03-09	CONSUMER WAS FILLING UP **GAS** TANK OF RIDING POWER LAWN MOWER WHEN HE NOTICED THAT **GAS** WAS DRIPPING FROM SEAM OF PLASTIC **GAS** TANK. NO INJURY.
H0730259A	2007-03-23	**GAS** ODOR CAME FROM RIDING POWER LAWN MOWER. THERE WERE **CRACK**S IN MIDDLE OF **GAS** TANK. NO INJURY.
I0730494A	2007-03-26	THE **GAS**OLINE TANK SEAM ON A GARDEN TRACTOR APPARENTLY FAILED, RESULTING IN A **PUDDLE** OF **GAS**OLINE ON GARAGE FLOOR. NO INJURY.
H0740022A	2007-03-30	**THE PLASTIC FUEL TANK ON A RIDING MOWER HAS SPLIT OPEN. CONSUMER BELIEVES THAT THE SPLIT MAY HAVE OCCURRED NEAR THE TOP OF THE FUEL TANK. THE FUEL DROPPED ONTO THE PULLY & THE BELT OF THE MOWER. THE MOWER IS STORED IN THE BASEMENT. NO INJURY. SAFETY HAZARD.**
I0750029A	2007-05-01	**FUEL** TANK OF WALK-BEHIND LAWNMOWER HAS MULTIPLE **CRACK**S THAT HAPPENED TWO YEARS AFTER PURCHASE. NO INJURY.
H0750157A	2007-05-07	**FLAMES CAME FROM THE ENGINE OF A LAWN TRACTOR WHILE IN USE. CONSUMER DISCOVERED A CRACK ON THE FUEL GAS TANK. NO INJURY.**
I0750356A	2007-05-20	A LAWN MOWER'S **GAS** TANK IS **LEAK**ING **GAS**OLINE FROM THE SEAM. THE UNIT'S PROBLEM IS SIMILAR TO THE ONES BEING RECALL. NO INJURY.

H0750334A	2007-05-24	**WHILE FILLING A RIDING LAWN MOWER'S GAS TANK WITH FUEL, THE FUEL LEAKED ONTO THE FLOOR. THERE WAS SEPARATION AT THE SEAMS OF THE FUEL TANK. NO INJURY.**
H0760013A	2007-05-25	A RIDING LAWN MOWER'S **GAS** TANK WAS MOIST AND **GAS** WAS **LEAK**ING FROM A **CRACK** IN THE PLASTIC **GAS** TANK. NO INJURY.
I0780029A	2007-06-01	**A LAWN TRACTOR'S FUEL TANK LEAKS WHENEVER IT IS HALF FULL AND ABOVE. IT LEAKS OVER THE RIGHT REAR TIRE AND IT APPEARS TO BE LEAKING AT THE SEAM OF THE FUEL TANK. THE SAME INCIDENT OCCURRED TO ANOTHER USER.**
I10A0517A	2007-06-01	RIDING LAWN MOWER TANK **CRACK**ED & **LEAK**ED **GAS**OLINE ALL OVER OWNER'S GARAGE. **FIRE** HAZARD.
H0760253A	2007-06-05	CONSUMER RE-FILLED A RIDING LAWN MOWER'S **GAS** TANK WHEN THE UNIT WAS ON. **GAS** WAS **LEAK**ING FROM THE PLASTIC **GAS** TANK'S SEAM. THE TANK IS MADE IN TWO PARTS. THE **LEAK** CAME FROM WHERE THE TANK IS FUSED TOGETHER. NO INJURY.
H07A0035A	2007-06-15	**FUEL** TANK **CRACK**ED ON LAWN TRACTOR. TRACTOR ENGINE'S LEFT CYLINDER WALL WAS TORN OUT AFTER 171 HOURS OF USE. NO INJURIES.
H0760244A	2007-06-18	**CONSUMER WAS MOWING GRASS WHEN HE NOTICED GAS WAS LEAKING FROM A WALK-BEHIND LAWN MOWER. THE INNER SEAM, NEAR THE MOTOR, WAS CRACKED WHERE ITS GLUED TOGETHER AT THE FACTORY. NO INJURY.**
I0760473A	2007-06-22	A GARDEN TRACTOR'S PLASTIC **FUEL** TANK DEVELOPED A 1.5 INCH LING **CRACK** IN THE LOWER RIGHT FRONT CORNER OF THE TANK. A LARGE AMOUNT OF **FUEL LEAK**ED OUT OF THE TANK. POSES A **FIRE** HAZARD. NO INJURY.
H0770154A	2007-06-29	A LAWN TRACTOR'S PLASTIC **FUEL** TANK HAS A **CRACK** IN IT. **FUEL LEAK**ED DOWN TO WHERE THE **CRACK** IN THE **FUEL** TANK WAS. NO INJURY.
H0770148A	2007-07-14	**GAS LEAK**ED FROM A LAWN MOWER'S **FUEL** TANK. THE **FUEL** TANK IS MADE OF PLASTIC AND **GAS** WAS **LEAK**ING FROM THE SEAM OF THE TANK. NO INJURY.
I0770367A	2007-07-14	**GAS** TANK ON A LAWN TRACTOR SPLIT IN TWO. NO INJURIES
I0770632A	2007-07-28	THE RIDING LAWN TRACTOR **GAS** TANK SPLIT APART AT THE SEAM THAT IT **LEAK**ED **GAS**OLINE ON THE CONSUMER AND ON THE DRIVEWAY. NO INJURY.
I0770584A	2007-07-29	A LAWN TRACTOR WAS **LEAK**ING **FUEL** FROM A **CRACK**ED PLASTIC **FUEL** FITTING/PUMP AND CAUSED A **FIRE** IN AN ATTACHED GARAGE. NO INJURY.
H0790002A	2007-08-02	CONSUMER REPORTS THE RIDING MOWER HAS STRESS **CRACK**S IN THE **GAS** TANK CAUSING **GAS** FUMES TO **LEAK**.MANUFACTURER REPLACED THE **GAS** TANK. NO INJURY.
I0780109A	2007-08-04	THE **GAS** TANK ON A RIDING LAWN TRACTOR DEVELOPED A **CRACK** AT THE BOTTOM & BEGAN **LEAK**ING. NO INJURY.
H0780136A	2007-08-05	**GAS** TANK ON RIDING LAWN MOWER **CRACK**ED & **GAS**OLINE WAS DRIPPING FROM IT. NO INJURY.
I0780890A	2007-08-17	A RIDING LAWN MOWER **LEAK**ED **GAS** FROM THE RIGHT SIDE OF THE **FUEL** TANK. THE **FUEL** TANK HAD **CRACK**ED. NO INJURY.
I07A0377A	2007-09-01	**FUEL** TANK OUTLET ON THE LAWN TRACTOR **LEAK**S AT CONNECT BEFORE HOSE. PLASTIC IS **CRACK**ED ON **FUEL** TANK WHERE HOSE CONNECTS TO TANK. NO INJURIES.
I0820025A	2007-10-01	**GAS**OLINE IS **LEAK**ING AT THE SEAM OF LAWN TRACTOR'S TANK. NO INJURY.
C07A0025A	2007-10-01	A GARDEN TRACTOR **LEAK**ED **FUEL** FROM THE BOTTOM OF THE TANK WHERE THE **FUEL** LINE CONNECTS. THE **FUEL** TANK WAS FOUND **CRACK**ED WHERE THE **FUEL** LINE CONNECTS TO IT. THE TANK WAS UNDER RECALL, HOWEVER, OWNER WAS NEVER NOTIFIED OF THE RECALL. NO INJURY.
H0890023A	2007-10-01	CONSUMER REPORTS THAT LAWN TRACTOR'S **GAS** HAD BEEN **LEAK**ING FROM A **CRACK** IN THE BOTTOM OF THE **FUEL** TANK. CONSUMER DISCONTINUED USE OF THE LAWN TRACTOR. NO INJURY. **FIRE** HAZARD.
I07A0638A	2007-10-20	THE OWNER OF A RIDING LAWN MOWER FOUND THAT THE **GAS** TANK HAD **CRACK**ED. THE **GAS** WAS **LEAK**ING & CAUSED A SMALL **FIRE**. IT HAS THE SAME PROBLEM AND **LEAK**Y TANK AS THE RECALLED ONES. NO INJURY.
H07B0070A	2007-10-27	AFTER NOTING SMELL OF **GAS**OLINE IN HOME EMANATING FROM GARAGE, MALE CONSUMER DISCOVERED RIDING POEWR LAWN MOWER'S **FUEL** TANK HAD **CRACK**ED. NO INJURIES.

H07C0134A	2007-11-09	VERY STRONG ODOR OF **GAS** CAME FROM THE GARAGE AREA. RIDING POWER LAWN MOWER **GAS** TANK WAS EMPTY. A **CRACK** IN THE **GAS** TANK CAUSED THE **GAS** TO **LEAK**. **FIRE** HAZARD. NO INJURY.
I07B0472A	2007-11-12	THE **FUEL** LINE RUNNING FROM THE **FUEL** TANK AT THE REAR OF THE TRACTOR TO THE **FUEL** FILTER IN THE ENGINE COMPARTMENT IS SEVERLY **CRACK**ED AND ROTTING ALONG THE ENTIRE LENGTH OF THE HOSE. NO INJURY.
I0870043A	2008-01-01	A MALE CONSUMER REPORTED THAT HE HAS TWO POWERED WALK-BEHIND LAWN MOWERS AND BOTH HAVE FAULTY PLASTIC **GAS** TANKS THAT **LEAK** AT A POORLY WELDED SEAM, CREATING A **FIRE** HAZARD. NO INJURIES.
H0830112A	2008-03-05	ENGINE **FUEL** TANK ON WALK BEHIND **GAS** LAWN MOWER IS **LEAK**ING. THE TANK IS PLASTIC AND HAS 2 PIECES THAT ARE MOLDED TOGETHER. THE TANK SPLIT AT THE SEAM AND WHERE THE **GAS** IS COMES OUT IS VERY CLOSE TO THE EXHAUST. **FIRE** HAZARD. NO INJURY.
H0940166A	2008-03-15	THE **GAS** TANK UNDER THE SEAT OF THE RIDING LAWN MOWER HAS SPLIT AT THE SEAM. **GAS** SPILLS DOWN THE MOWER WHILE IT IS IN USE & WHEN IT IS NOT. THE SEAT COVERS THE **GAS** TANK, SO THE CONSUMER CANNOT TELL HOW LARGE THE SPLIT IS.
H0830192A	2008-03-15	CONSUMER DISCOVERED THAT HER RIDING LAWN MOWER HAD 2 **CRACK**S IN IT. **GAS** HAD DRIPPED DOWN ON TO THE LAWN TRACTOR'S ENGINE AND THE CART THAT IT IS STORED IN. THE CONSUMER NOTED THAT EVEN HER NEIGHBOR COULD SMELL THE **GAS** ODOR. NO INJURY.
I0830409A	2008-03-16	UPON FILLING THE **GAS** TANK OF A POWERED LAWN MOWER CONSUMER SAW **FUEL LEAK**ING OUT OF THE TANK. UPON DISASSEMBLY CONSUMER DISCOVERED THAT THE SEAM OF THE TANK HAD FAILED. NO INJURY.
I0840350A	2008-04-14	**FUEL TANK'S UPPER SEAM SEPARATED AND CAUSED GASOLINE TO LEAK WHILE USING POWER LAWN MOWER. TANK IS MADE OF PLASTIC. THE TANK'S LEAKING SEAM IS NOT VISIBLE WITHOUT REMOVING THE ENGINE'S UPPER HOUSING COVER. NO INJURY.**
I0850208A	2008-05-01	A MALE CONSUMER REPORTED THAT THE **FUEL** TANK ON THE LAWN TRACTOR SPLIT AT THE SEAM. **FIRE** HAZARD. NO INJURIES.
H1140206A	2008-05-15	After having the ride on mower for approximately 13 months he began to notice that there was a **crack** on the **gas**oline tank and when there was at least half a tank of **gas**oline in the tank the **gas**oline would **leak** out. One occasion after attempting to start the mower he noticed that it would not start he then looked down at the **gas** tank and it was **leak**ing **gas**oline. He noticed that the tank had several **crack**s on it and since he was hosing the mower down very regularly water had **leak**ed into the **gas**oline tank. The **gas** tank is located underneath the seat where there is a little opening so that you can see how much **gas**oline is in the He had an appointment with the retailer to have the **gas**oline tank repaired 3/2011 and no one has showed up to make the repairs. He still currently uses the mower but he only puts half a gallon of **gas**oline in the tank.
I0850295A	2008-05-16	A 63 YEAR-OLD MALE CONSUMER REPORTED THAT **GAS**OLINE WAS **LEAK**ING OUT OF THE SEAM ON THE **GAS** TANK OF THE POWERED RIDING MOWER AS HE FILLED IT. NO INJURIES.
H0850267A	2008-05-22	**GAS**OLINE WAS **LEAK**ING FROM THE SEAM BETWEEN THE TOP HALF & THE BOTTOM OF RIDING LAWN MOWER **GAS** TANK. NO INJURY.
X08A0663B	2008-06-17	**THE TWO-PIECE FUEL TANK ON THE RIDING MOWER SEPARATED AT THE SEAM, CAUSING FUEL TO LEAK. NO INJURIES. FIRE HAZARD.**
I0860593A	2008-06-23	AN ODOR OF **GAS**OLINE IN THE GARAGE CAME FROM POWER SELF PROPELLED LAWN MOWER. THERE WAS 7 1/2" **CRACK** IN THE MOWER'S **GAS** TANK, WITH **GAS LEAK**ING OUT OF THE **CRACK** AND DRIPPING DOWN ONTO THE MOWER HOUSING. NO INJURY.
I0870663A	2008-07-24	WHILE USING A RIDING LAWN MOWER, THE **GAS** TANK BEGAN TO **LEAK** OUT THE SIDE, SPEWING **GAS** EVERYWHERE. IT WAS A SEAM RUPTURE AND THE MOWER CAUGHT ON **FIRE**. THE **GAS** TANK BLEW UP. NO INJURY.
I0880368A	2008-08-05	TRACTOR THAT IS **LEAK**ING **GAS** FROM **GAS** TANK SEAM ONTO THE HOT ENGINE. NO INJURY. **FIRE** HAZARD.
I0890071A	2008-08-30	CONSUMER'S GARDEN TRACTOR HAD DEVELOPED A SERIOUS **LEAK**S FROM **CRACK**S IN THE **FUEL** TANK. NO INJURY. **FIRE** HAZARD.
I0890332A	2008-09-08	**GAS** TANK OF RIDING LAWN MOWER DEVELOPED A **CRACK** AT THE BOTTOM ALLOWING THE **GAS**OLINE TO DRAIN ONTO THE FLOOR OF THE STORAGE SHED. NO INJURY.
I0890708A	2008-09-28	THE REAR SEAM ON THE UNDER-SEAT **FUEL** TANK OF A RIDING LAWN MOWER SEPARATED & ALLOWED **FUEL** TO SPILL OUT ONTO THE FRAME & AXLE OF THE MOWER. THE SEAM IS TOWARDS THE BOTTOM OF THE TANK & ALLOWED THE FULL 3 GALLONS OF **GAS** TO **LEAK** OUT POSING A **FIRE** HAZARD. NO INJURY.

I08A0268A	2008-10-03	CONSUMER WENT TO FILL LAWN TRACTOR WITH **GAS**. DISCOVERED THAT THE **FUEL** WAS **LEAK**ING OUT OF THE **GAS** TANK ALONG THE SEAM OF THE **GAS** TANK WHERE IT SEEM TO HAVE SEPARATED. NO INJURY. **FIRE**/**EXPLO**SION HAZARD.
I08A0274A	2008-10-10	54 YEAR OLD MAN WAS SERVICING THE GARDEN TRACTOR, HE NOTICED THE **GAS** TANK WAS **LEAK**ING **FUEL** AT THE SEAM ON THE LEFT SIDE OF THE TANK. NO INJURY. **FIRE** HAZARD.
H08C0165A	2008-10-30	A RIDING LAWN MOWER WAS STORED IN THE GARAGE. CONSUMER SMELLED A **GAS** TYPE ODOR AND FOUND THE **FUEL** WAS DRIPPING FROM THE SEAM OF THE LAWN MOWER'S TANK. NO INJURY. **FIRE** HAZARD.
I0950043A	2009-01-01	**FUEL** TANK OF A RIDING MOWER HAS DEVELOPED **CRACK** NEAR **FUEL** LINE. **FUEL** IS DIRECTED TOWARDS REAR OF ENGINE BY FOLLOWING THE **FUEL** LINE PATH.
I1010103A	2009-01-01	THE PLASTIC **GAS** TANK OF THE WALK-BEHIND SELF-PROPELLED LAWN MOWER DEVELOPED A SPLIT OR **CRACK**, ALLOWING **GAS**OLINE TO **LEAK**, AND CREATING A **FIRE** AND **EXPLO**SION HAZARD.
I0940597A	2009-04-01	A **GAS** TANK OF A WALK BEHIND POWER LAWN MOWER **LEAK**S AT SEAM.
I0940505A	2009-04-04	**CONSUMER DETERMINED GAS WAS LEAKING FROM SEAM BETWEEN TOP AND BOTTOM OF GAS TANK OF RIDING LAWNMOWER. GAS LEAK DETERIORATED THE ADHESIVE HOLDING RUBBER STEP TREAD & CAUSE TREAD TO COME OFF THE MOWER. MOWER WAS FLOODED WITH WATER TO DILUTE GAS IN CASE OF FIRE.**
H0960194A	2009-04-15	PLASTIC **FUEL** TANK OF **GAS** POWERED LAWN MOWER SPLIT IN HALF & SPILLED **GAS** ALL OVER THE PLACE.
I0940500A	2009-04-18	56 YEAR OLD CONSUMER POURED **GAS**OLINE INTO 3.5 GALLON MOWER **FUEL** TANK AND IT **LEAK**ED OUT, COMPLETELY EMPTYING THE TANK. UPON THE BOTTOM OF THE MOULDED PLASTIC TANK HAS A **CRACK** WHERE THE 1/4" **FUEL** LINE ATTACHES
I0950868A	2009-05-01	**FUEL** TANK ON RIDING LAWN MOWER **LEAK**S **GAS**OLINE THROUGH A SEAM BETWEEN THE UPPER & LOWER MOLDED PARTS OF TANK. IT IS ENCAPSULATED UNDER THE SEAT. THIS IS A **FIRE** HAZARD.
I0950223A	2009-05-05	**GAS** TANK HAS DEVELOPED A **CRACK** WHERE THE HOSE GOES FROM THE TANK TO THE CARBURETOR. A FULL **FUEL** TANK WILL DRIP THE COMPLETE TANK OF **GAS** OVERNIGHT. THE LAWNMOWER IS IN THE GARAGE & THE FUMES HAVE EMANATED FROM THE GARAGE INTO THE ATTACHED HOUSE.
H0950109A	2009-05-09	CONSUMER WAS USING LAWN MOWER, WHEN THE **GAS** TANK **LEAK**ED. THE **GAS** COMING FROM THE LAWN MOWER SMELLED PROFOUNDLY. THE **GAS** TANK WAS **CRACK**ED.
I0950744A	2009-05-18	LAWN MOWER IS **LEAK**ING **GAS** FROM THE **GAS** TANK. ONE OF THE SEAMS ON THE TANK HAS A HAIRLINE **CRACK**.
I0960349A	2009-05-21	**FUEL** TANK ON SELF-PROPELED LAWN MOWER HAS DEVELOPED A **LEAK**/**CRACK** NEAR A SEAM. THE **FUEL LEAK**S ONTO A HOT ENGINE DURING USE.
I0950970A	2009-05-25	RIDING MOWER HAS 2 PIECE **FUEL** TANK THAT **LEAK**S AT THE SEAM. **GAS** SPILLED ON 55 YEAR OLD MALE & THE MOTOR. THE SAME DEFECT WAS CITED IN A RECALL FOR LATER MODELS.
I0990242A	2009-06-01	THE **GAS** TANK OF THE LAWN MOWER HAS SPLIT NEAR THE SEAM CAUSING **GAS** TO **LEAK** OUT.
I0960216A	2009-06-02	CONSUMER FOUND **FUEL** TANK **LEAK**ING ALONG SEAM OF WALK BEHIND POWER MOWER.
H0960037A	2009-06-03	THE **FUEL** TANK ON LAWN TRACTOR HAD TWO **CRACK**S AND BEGAN TO **LEAK FUEL**. LAWN TRACTOR IS APART OF RECALL.
I0960874A	2009-06-22	LAWNMOWER 6HP VERTICAL SHAFT ENGINE'S **FUEL** TANKS **CRACK** & **LEAK** AT AND BELOW THE SEAM. CONSUMER HAS HAD 2 TANKS FAIL THIS WAY. DEALER STATES THIS IS A COMMON FAILURE. THIS IS A **FIRE** & **EXPLO**SION HAZARD.
I0961103A	2009-06-28	61 YEAR OLD FEMALE FOUND A LARGE **PUDDLE** OF **GAS**OLINE UNDER RIDING LAWNMOWER. THE **GAS** TANK HAD A LARGE **CRACK** AT THE BOTTOM. FUMES WERE OVERWHELMING, MAKING IT HARD TO BREATHE. SHE REMOVED **GAS** TANK, BUT IS UNABLE TO REPAIR IT.
H0970302A	2009-07-10	CONSUMER NOTICED STRONG ODOR OF **GAS** FROM THE GARAGE OF THE RIDING LAWN MOWER AND DISCOVERED **FUEL** FROM THE MOWER'S TANK HAD **LEAK**ED OUT ON THE FLOOR THROUGH A SPLIT IN THE **FUEL** TANK BEHIND THE FRONT MOUNTING BOLT, POSING A **FIRE**, BURN AND SAFETY HAZARD.
H1140244A	2009-07-15	Caller is reporting ride on lawnmower that burned approximately two years ago with **flam**es about two to three feet high. Caller was mowing his lawn the summer of 2009 when he noticed that there were **flam**es coming out of the engine compartment where the **gas** tank is also located, he jumped off the mower, grabbed the water hose and doused the **fire** with water. He parked the ride on lawnmower in his garage, began searching for parts to repair and then began coming across recall and articles of the same issues with lawnmowers but wasn't finding his model number or serial number. He is reporting his model and serial number now because he had no knowledge of the ability to do so when this incident happened and would like to have this on file. He would also

		request repair at manufacturer expense at the very least or replacement of mower if this is the less expensive.
I0990491A	2009-08-23	THE LAWNMOWER DEVELOPED A **LEAK** IN THE **GAS**OLINE TANK AT THE SEAM THAT JOINS THE TOP AND BOTTOM PARTS. CONSUMER SAYS **GAS**OLINE **LEAK**ING ONTO THE WHOLE BODY OF THE LAWNMOWER WHILE IN USE IS A SAFETY HAZARD.
I0981461A	2009-08-25	THE **GAS** TANK OF THE WALK BEHIND PUSH LAWN MOWER **LEAK**ING AT WELDED SEAM.
I0990553A	2009-09-12	THE **GAS**OLINE TANK OF THE ROTARY POWER MOWER **LEAK**ED **FUEL**. SMALL **CRACK** DEVELOPING IN THE LOWER MIDDLE PORTION OF THE TANK.
I09A0739A	2009-10-15	THE **GAS** TANK OF THE ROTARY POWER LAWN MOWER BEGAN TO **LEAK** WITHIN 4 MONTHS OF PURCHASING THE UNIT.THE **LEAK** AT THE SEAMS CONTINUES TO GET WORSE TO THE POINT WHEN THE CONSUMER HAD TO STOP USING IT.
I09B0553A	2009-11-10	**GAS TANK SPLIT OPEN ON POWER RIDING MOWER.**
I09C0724A	2009-12-12	RIDING LAWN MOWER **GAS** TANK SPLIT OPEN ON THE BOTTOM NEAR THE PLATIC MOLD INJECTION POINT. THIS CAUSED 2 GALLONS OF **GAS** TO **LEAK** IN A CLOSED GARAGE. THE PLASTIC TANK **CRACK**ED SEVERAL PLACED ON THE BOTTOM.
I1020549A	2010-02-09	THE **FUEL** TANK OF THE RIDING LAWN MOWER HAS **CRACK**ED AND **FUEL** HAS **LEAK**ED ONTO THE GARAGE FLOOR PRESENTING A **FIRE** HAZARD AND INTENSE **GAS**OLINE FUMES INTO THE GARAGE AND ATTACHED HOME.
I1030562A	2010-03-15	CONSUMER REPORTS THAT THE ROTORY POWER LAWN MOWER HAS DEVEPOPED A **LEAK** IN THE **FUEL** TANK NEAR THE TANK SEAM. **FUEL LEAK**S OF THE TANK. CONSUMER STATES THIS WILL BE THE THIRD TANK IN LESS THAN 3 YEARS.
I1040039A	2010-03-31	POWER LAWN MOWER HAS A **LEAK**Y **GAS** TANK. THE **FUEL** TANK SEPARATED JUST BELOW THE SEAM ALL ALONG THE ONE CURVED SIDE OF THE TANK.
I1040729A	2010-04-01	**FUEL** TANK OF THE LAWN MOWER HAS A STRESS **CRACK** ON IT & **LEAK**S A GOOD AMOUNT OF **FUEL**.
I1050270A	2010-04-30	PLASTIC **FUEL** TANK ON LAWN MOWER SPLIT/ **CRACK**ED AT THE SEAM, CAUSING **FUEL** TO SPILL. **GAS**OLINE FUMES CAUSED NAUSEA.
I1050112A	2010-04-30	CONSUMER REPORTS ABOUT **GAS LEAK**ING FROM THE ROTARY POWER LAWN MOWER. **LEAK**S FROM SEAM DOWN ONTO DECK. UNABLE TO USE MOWER BECAUSE OF **FIRE** OR **EXPLO**SION.
I1050905A	2010-05-06	LAWN TRACTOR HAS **FUEL LEAK**ING FROM A **CRACK**ED TANK.
I1060110A	2010-05-29	91 REPORTS OF **FUEL** TANKS **CRACK**ING OF THE MOWER/LAWN TRACTORS.
I1061702A	2010-06-01	THE **FUEL** TANK OF A LAWN TRACTOR DEVELOPED A **CRACK** & STARTED DANGEROUSLY **SPRAY**ING **FUEL**. A 58 YOM BECAME VERY DIZZY & NEEDED TO REST.
I1060919A	2010-06-10	THE **FUEL** TANK OF THE LAWN TRACTOR STARTED **LEAK**ING DUE TO A UNEXPLAINED **CRACK** IN IT.
I1060992A	2010-06-11	THE **FUEL** TANK OF THE WALK BEHIND LAWN MOWER HAS DEVELOPED SIGNIFICANT **CRACK**S RESULTING IN **LEAK**ING OF **GAS**.
H1240258A	2010-06-15	The consumer stated that his father purchased a lawn tractor and they noticed that the **gas** tank is deteriorating. The consumer stated that his father noticed multiple **crack**s on the **gas** tank and he patched them to prevent a **leak**age. The consumer stated that it is a 4 gallons **gas** tank and is located underneath the seat. The consumer does not have specific details, but he stated that he believes that these **crack**s have not been cause by any incidents. The consumer did not notice any other damages on the lawn tractor. The consumer stated that his father was not injured. The consumer stated that the manufacturer advised him to contact CPSC and to visit their website to file a complaint.
I1070130A	2010-07-01	THE **GAS**OLINE TANK CAP ON THE ENGINE OF THE POWER LAWN MOWER **CRACK**ED UNDER NORMAL USAGE ALLOWING **GAS**OLINE FUMES TO ESCAPE AND ALSO ALLOWING FOR POTENTIAL **FUEL** SPILLS TO OCCUR.
I1110674A	2010-07-10	CONSUMER REPORTS THAT THE PLASTIC **GAS** TANK ON THE LAWN TRACTOR DEVELOPED A **LEAK** ALONG A LOWER SEAM, CREATING A **FIRE** HAZARD.
I1070406A	2010-07-10	58 YOM NOTICED THAT THE LAWNMOWER'S **GAS** TANK WAS **LEAK**ING. THE SEAM BETWEEN THE TOP AND THE BOTTOM WAS BROKEN AND WAS **LEAK**ING **GAS**OLINE.

I1070522A	2010-07-13	CONSUMER DETECTED INTENSE **GAS**OLINE FUMES IN THE GARAGE AND FOUND THAT **GAS** TANK OF THE RIDING LAWN MOWER HAD **LEAK**ED. THERE WAS A VERY FINE **CRACK** NEAR THE BASE OF THE PLASTIC **GAS** TANK. ONLINE RESEARCH REVEALED THAT THE PRODUCT HAD BEEN RECALLED.
H1160278A	2010-07-15	The consumer says the **gas** tank along the seams, started **leak**ing near the on and off valve. The consumer says he repaired it. The consumer says it started **leak**ing again. He says the **crack** is so long now along the seams where it is molded together that he cannot get it fixed. The consumer says the unit also poses a tipping hazard. The consumer tried to contact manufacturer but was never able to reach anyone. The consumer's product is similar to recall listed in release # 02-124, however the consumer's serial number is out of range of the recall.
I1071040A	2010-07-26	SEAM OF **FUEL** TANK OF THE RIDING LAWN MOWER **LEAK**ING.
H10A0130A	2010-08-20	CONSUMER DISCOVERED THAT THERE WAS A STRONG **FUEL** ODOR IN THE GARAGE WHERE THE LAWN MOWER IS HOUSE. THE CONSUMER NOTICED **GAS** HAD **LEAK**ED OUT OF THE SEAM OF THE TANK. **FIRE** HAZARD.
I1080819A	2010-08-21	CONSUMER REPORTS THAT WHILE MOWING WITH THE GARDEN TRACTOR, HE KEPT SMELLING **GAS** FUMES. FOUND THAT THE PLASTIC **FUEL** TANK UNDER THE SEAT HAD A **CRACK** NEAR THE PORT WHERE THE **FUEL** LINE CONNECTS TO THE TANK.
H1090112A	2010-08-28	WHEN THE CONSUMER NOTICED THAT THE GARDEN TRACTOR IN THE GARAGE WAS **LEAK**ING **GAS**OLINE. THE SEAM ON THE **GAS**OLINE TANK HAD COME APART. THE CONSUMER REPORTS THAT THE GARAGE IS FAR FROM THE HOME BU THERE IS A FURNACE IN THE GARAGE, WHICH POSES A MAJOR **FIRE** HAZARD.
X10A0110A	2010-08-30	CONSUMER REPORTS THAT THE **FUEL** TANK OF THE RORATY POWER LAWN MOWER (PUSH TYPE) STARTED **LEAK**ING AT THE SEAM. CONSUMER CONTACTED THE MANUFACTURER ABOUT THE POSSIBLE **FIRE** HAZARD BUT THEY WERE UNWILLING TO REPLACE IT.
I1090135A	2010-09-01	CONSUMER REPORTS THAT WHILE MOWING WITH THE ROTARY LAWN MOWER, **FUEL** WAS **LEAK**ING OUT OF THE **FUEL** TANK. FOUND THAT THE PLASTIC **FUEL** TANK HAD SPLIT AT THE SEAM, THUS **LEAK**ING **FUEL** ALL OVER THE ENGINE AND DECK.
H10A0070A	2010-09-15	RIDING LAWN TRACTOR'S TANK IS **LEAK**ING AT THE SEAM. OWNER TRIED TO REPAIR IT BUT IT WONT SEAL.
I10A0250A	2010-09-30	55 YOF REPORTS THAT THE LAWNMOWER'S **FUEL** TANK HAS A SEAM THAT ALLOWS **GAS**OLINE TO **LEAK** THROUGH. THE **FUEL** CAN CONTACT HOT PARTS OF THE MOWER. **FIRE** HAZARD.
I10A0295A	2010-10-06	CONSUMER REPORTS THAT THE PLASTIC **FUEL** TANK OF THE SELF PROPELLED PUSH LAWN MOWER IS **CRACK**ING APART IN MULTIPLE LOCATIONS, **LEAK**ING **FUEL**.
I10A0602A	2010-10-15	CONSUMER REPORTS THAT WHEN SHE WAS USING LAWN TRACTOR SHE SMELLED **GAS**OLINE AND SAW THAT THE TANK WAS **LEAK**ING **GAS**OLINE. THERE WERE HAIRLINE **CRACK**S ON THE BOTTOM OF THE **GAS** TANK. **FIRE** HAZARD.
I10C0198A	2010-12-04	CONSUMER ROLLED OUT THE ROTARY POWER LAWN MOWER TO MOW LAWN AND NOTICED **GAS LEAK**. FOUND **FUEL** WAS COMING OUT FROM BETWEEN THE FAN PROTECTOR AND TANK (SEAM BETWEEN THE BLACK TANK AND RED FAN RADIATOR).
H1230056A	2011-03-01	The consumer stated that the lawn mower **gas** tank is **leak**ing around the motor, the seam is broken which causes to **gas** to spill. The consumer feels that this **gas** spilling on the motor will cause a **fire** or **explo**sion. 9/2011 The manufacturer was contacted and he was advised that there was known problem with tanks and he would need to take it to an authorized dealer, however, the tanks have been on back order since last year and he is unable to get it replaced. The consumer is concerned that this lawn mower **gas** tank is a safety hazard and should be reported.
H1130224A	2011-03-22	The **gas** tank on the tractor, located underneath the seat, is **leak**ing **gas**. Consumer removed the cover over the **fuel** tank to make a temporary repair. There was a **crack** of approx. 3.5 inches in the top right hand of the tank (front) just above the seam line. Consumer concludes that this was a defective tank or was not properly supported. Nothing can reach the tank unless the seat cover is removed. He contacted the retailer and was advised that there was no recall involving his model number. He indicates that he plans on contacting the firm and will get the unit repaired.
I1140179A	2011-03-28	I was riding a –, mowing a lawn, and the tractor caught **fire**, near the right side of the **gas** tank. I owned the mower for 5 years, and had been complaining to the manufacturer of excessive heat. The manufacturer replaced the heat shield, but the excessive heat issue was not fixed. I believe there is a design defect that the excessive heat from the engine causes it to catch **fire**. I am not the only one to complain about the – catching **fire**:

		1. Custodian at the -- , was engulfed in **flam**es while mowing on a --. Passersby helped extinguish the **flam**es and he was taken to the hospital where he later died. On another tv news report, a witness said that **fuel** was **spray**ing out of the mower onto the victim and he was trying to shut it off. 2. -- had a recall for the **fuel** tank unit-when cap gets put on it **crack**s the seam open and/or seals tear. The rivet line has a weak s
I11B0011A	2011-04-01	-- **Gas** Lawn Mower has had a variety of problems, since purchased new, at the -- store in Slidell, Louisiana. The latest incident involves the plastic **fuel** tank, on the mower, that failed at the seam of the tank, and has been **leak**ing **gas**oline all over the (hot) engine housing. My 20 year old son was fortunate that it didn't **explo**de, or **flam**e up, when it was noticed. We brought it to the store, and they agreed this plastic tank should have not failed in less than 2 years of minimal use, but they were not willing to order me the replacement tank (which i was told was less than 50 bucks). I called their recall unit, at --, also, and they also agreed it should not have failed so soon, but also was unwilling to replace the part. Then, I contacted national customer service, and got a form letter response.
I1140578A	2011-04-20	The **gas** tank on my -- lawn tractor, Model --, began **leak**ing **fuel** from the seam of the tank. This poses a very severe safety problem, and some recourse should be open to the customer.
I1140692A	2011-04-23	-- Riding Lawn Tractor Model -- ID# --. Estimated hours in use 400 Problem: **Fuel** tank **leak**s at seam. Type of tank propylene I believe or some other kind of plastic. Possible **fire** hazard as stated in January 4, 2002 Alert #-- for same type of vehicle. When I filled the tank for first mowing of season noticed that there was **gas**oline under the mower. The **gas** is coming from the seam where the two pieces are joined on the engine side of the tank. I called -- to report it but the person I talked to didn't seem to excited about it.
H1140232A	2011-04-26	Consumer stated the tank is **crack**ed between the seams and **gas** spills out onto the rear of the lawnmower and could cause a **fire**. Consumer feels that the tank on the lawnmower is a potential **fire** hazard and should be reported.
I1150454A	2011-04-27	My safety concern is with the -- 22 inch Mower (Model --). The seam around the **gas** tank **leak**s a lot. You can only put about a quarter tank of **gas** in order to avoid it **leak**ing. My concern that this could be a serious safety hazard. We have only had the mower since July 2009.
I1150349A	2011-04-27	Plastic **gas** tank on lawn mower **crack**s **leak**ing **gas**oline
I1150173A	2011-04-30	purchased a new -- tractor from --, delivered three days later, filled the **gas** tank which promptly began **leak**ing at the seam of what appears to be a two piece formed plastic tank. Took -- 9 days to come out to fix it. Still isn't resolved b/c the service guy wasn't prepared to do this by himself.
H1170054A	2011-05-15	The consumer says the unit has a **leak**ing **fuel** tank. The consumer says the seam is separating and the **leak** seems to be getting worst. The consumer contacted the manufacturer who told him he can take it to the nearest service center. The consumer says the fumes are overwhelming. The consumer says there have been other consumers with the same problems reported online. The consumer noticed the **leak**age while it was parked in the garage. He says it is a slow drip and the tank has a seam and when **gas** is above the seam it will start to **leak**, but it is fine when **gas** is below the seam.
I1160247A	2011-05-15	My -- Riding lawn tractor was parked in my garage and had not been used in over a week. During the overnite period of May 15, to the morning of May 16, 2011 my three car garage filled with **gas**oline vapors to the point that it was unbearable to enter the garage. Had the hot water heater in my garage been a **gas** type instead of electric my house would have been destroyed by the **explo**sion and ensuing **fire**ball, possibly killing me, my wife and our two children. After carefully opening the garage doors manually so as not to create a spark I let the garage air out which took one and a half hours. When it was safe to reenter the garage I traced the **gas**oline vapors to the --. Upon closer examination I could see that the **gas**oline was **leak**ing out of the lower right side seam of the **fuel** tank and creating a large **puddle** under the machine. As well as filling the garage with a very large volume of vapors.
I1150579A	2011-05-28	Major **leak** along horizontal seam of **fuel** tank of -- lawn mower. As described in CPSC release #-- except my serial number starts with 99, not 21. -- refuses to replace. Company claims that this (major **fuel** tank) is a "normal wear and tear" item on a 12 year old lawnmower that is out of warranty.
I1240066A	2011-05-30	Possible **fire** or **explo**sion hazard - **gas** tank **leak** on -- 22" Recycler Mower, model --, serial # --, build date is likely in 2006. Engine model is a -- Serial# --. -- was bought out by the company Certified Parts. New **Fuel** Tank part number is ---. I purchased this mower new and within a few years, the **gas** tank developed a **leak** at the seam on the middle back of the tank. The tank is attached directly to the back of the engine. I attribute this problem to a faulty **gas** tank design. The **leak**ing **gas** can cause fumes to build up in a homeowners garage which can lead to an **explo**sion, or can lead to a **fire** while in operation. I see many complaints on the web for the same issue. There are several types of mowers with these engines that have the **leak**y **gas** tanks. A recall was put in for some models but not all.

I1150592A	2011-05-31	-- Lawn Tractor Model -- developed two small **crack**s on the bottom center of the **gas** tank which resulted in the entire contents of the 3.5 gallon **gas** tank **leak**ing out onto garage floor. The incident occurred while tractor was stored in an attached garage a few hours after it was used to cut the lawn. Not sure of the exact time it took for the entire tank to **leak**, but it was discovered within a few hours after use due to smelling **gas** fumes. The tractor was refilled with **gas** after it had cooled down and prior to storage. The **gas** tank for this model is located underneath the operators seat and is made of a plastic material. In my opinion, the **crack**s seem to be a defect in the manufacturing of the tank. The tank is very well protected under the seat and no physical damage occurred to the tank. Replacement part is 157103. This -- Lawn Tractor was purchased new around 5/2002. It is understandable that parts will wear out over time, but large **gas leak**s such as this can be dang
H1180328A	2011-06-01	Caller stated that the riding lawn mower is owned by his son, it was purchased used, about a couple of months ago he noticed that the unit was unable to start he discovered that the **gas** tank had a **crack** at the seam which caused the **leak**ing of the **gas**. His son had not use the tractor for approximately 1 and half years. Caller stated that they attempted to fill up the tank but it **leak**ed out to his garage floor, and he is concerned that this unit is a **fire** hazard. Caller stated that he contacted the manufacturer and was advised that his lawn mower was not covered by the recall. Caller feels that this lawn mower should be included in the recall of Alert #--.
H1160201A	2011-06-16	The plastic body of the **gas** tank somehow **crack**ed and **leak**ed **gas**oline into the shed. The **gas** tank is located under the seat of the tractor. He noticed the smell of **gas**oline in the shed and took a look at the **gas** tank. He contacted the firm on the same date of the incident and was informed there was no recall on the product. He removed the tank from the lawn tractor and was able to plug the **crack** on the tank in order to use it. While doing some research online he noticed that other consumers were experiencing the same safety hard with the unit. He contacted the firm again on 6/20/2011 and was once again advised there was no recall on the tank involving his model number and he would be required to buy the parts and pay for labor if repairs would need to be made. He has decided to discontinue the use of the tractor in fear that it poses as a **fire** hazard by **leak**ing the **gas**oline. He indicated that it could have **explo**xed while riding it.
I1160506A	2011-06-21	I was mowing the back yard when the **gas** tank started **leak**ing **gas**oline. I noticed that the seam had split along the top of the **gas** tank.
I11A0710A	2011-06-22	My Riding lawn tractor was parked in my garage and had not been used in over a week. During the overnight period of June 21, to the morning of June 22, 2011 my garage filled with **gas**oline vapors to the point that it was unbearable to enter the garage. Had the hot water heater in my garage been a **gas** type instead of electric my house would have been destroyed by the **explo**sion and ensuing **fire**ball, possibly killing me, my wife and our two children. After carefully opening the garage doors manually so as not to create a spark I let the garage air out which took one and a half hours. When it was safe to reenter the garage I traced the **gas**oline vapors to the --. Upon closer examination I could see that the **gas**oline was **leak**ing out of the lower right side seam of the **fuel** tank and creating a large **puddle** under the machine. As well as filling the garage with a very large volume of vapors.
I1170032A	2011-06-25	I was cutting my front lawn with the --" self-propelled mower. After fifteen minutes or so I noticed white smoke wafting up from the back of the engine. The mower deck on the back left side appeared wet. I immediately shut off the mower. When I looked at the mower, I noted that the **gas** tank itself was very wet from about halfway down. I pushed the mower to a spot in the yard away from the house and sidewalks and let it cool down thoroughly. It first appeared that there was about a three-inch long **crack** in the plastic **gas** tank. I took off the top cover of the mower, removed and drained the **gas** tank. Upon closer examination I found the tank to be **crack**ed/split clear across the width at a spot about a half inch above the seam in the tank, at an area where the tank bends 90 degrees. It seems to be an obvious defect in the manufacture of the plastic tank. My concern, of course, is that someone may have a similar problem and not notice it before the **gas**oline ignites.
I1180197A	2011-08-07	-- walk-behind lawn mower plastic gas tank has cracks. Gasoline is leaking out.
I1190049A	2011-08-25	About eight years ago we purchased a -- brand new from a -- store. I am very disappointed in the quality of the tractor. The tractor **gas** tank seam has split and is **leak**ing **gas**. Made me very upset when my teenager was on it and sparked a small trail from the **gas leak**ing. Could be very dangerous and ignited the tractor with him on it. We always purchase -- products because of the quality and how -- stood behind their name. Who makes a **gas** tank out of plastic, so dangerous! Poor Quality for the amount of money we spent on it. Very Disappointed
H1180311A	2011-08-29	The consumer says she filled it up with **gas** and it started **leak**ing. She says it is coming apart on the seams. She says it is on the left side. The consumer says the **gas** tank had **leak**ed before and they got it replaced while it was still under warranty. The consumer says they only had it a couple of weeks. She says had they not noticed it, it could have posed a serious **fire** hazard. The consumer has the same product and is experiencing the same problem as described in Alert #--. However the serial number is out of the range of the recall.
H11C0111A	2011-10-05	-- Tractor purchased in June 2006, around December 2006 he noticed that the cruise control was not working properly. He would set and then it would just jog out, he took to repair, it was repaired

		and returned to him. The black plastic rectangular piece where the **gas** tank pushes again the mower kept popping off. Receipt for this repair explains that two of the four wings used to hold the **gas** tank in place were cut (two rear wings), the **gas** tank was then repositioned approximately 1/4 ". 2011, five years after this repair caller said the **gas** tank is **leak**ing. He walked into his kitchen, smelled **gas**, opened his garage door and smelled an extremely strong smell of **gas** then traced it to his lawn tractor. He has contacted several television stations in his area to report this happening. He would like this reported, recalled through CPSC for the safety of the public due to all of these repairs that he believes will now be extremely dangerous **gas leak**s. He says it is because those rear win
H1190126A	2011-09-14	09/14/2001 around 2:00 pm consumer found out that his tractor's **gas** tank was **leak**ing **gas** and **crack**ed at seam. Consumer stated that it gallon **gas** on the floor. Consumer believes that his riding tractor lawn could pose a **fire** hazard. Consumer explained incident to dealer's rep., (name unknown). Rep., did not offer any solution. No injury
I1190574A	2011-09-16	Possible **fire** hazard - **gas** tank **leak** on -- Mower, model --. Build date --. The **leak** developed between tank and engine and was not visible until the problem became so severe that **gas**oline literally poured from the seam. In order to determine the exact nature / cause of the **leak** it was necessary to remove the cover from the pull start. Once the cover was removed the **leak** was clearly visible along a three inch section of the manufacturing seam where the plastic tank is fused together. The mower has been used less than two seasons for home use in a non-commerical application.
I11B0323A	2011-10-10	This is a resubmittal of a report I started a few minutes ago as it was accidentally submitted before completion. We own a -- lawn tractor, Model #--, Serial #--, Mfr. ID #-. The plastic **gas** tank on the lawn tractor failed at the horizontal seam, allowing **gas**oline to **leak** into the engine compartment. The seam failure is not visible and can only be detected by the odor of **gas**oline and watching the **gas** tank after filling more than half full (allowing the **gas**oline level to rise above the seam line) and observing the tank to see the **gas** flow out around the seam. This is a potential **fire** hazard; fortunately we noticed the problem and replaced the tank before a dangerous situation occurred. We do not know how long this problem existed with **gas** tank before it was detected. We found recalls on the -- **gas** tanks from the 2000-2001 time period, but these recalls were for **gas** tanks that **crack**ed, not where the seam failed.
X1230282A	2011-11-08	Sirs: I am writing to report a very serious safety issue with your lawn tractor. I purchased my tractor from -- in Laplace, La. on April 3 , 2006. Copy enclosed. This is my second --. I also purchased a -- mower. After only 55 hours of service, I sent it to -- for regular maintenance service. Among the many problems found, they discovered that the **gas** tank was **leak**ing at the seam and **leak**ing **fuel** onto the mower deck. (copy of invoice enclosed) . I was informed that this problem was not covered by the warranty. I did not have the repair done because I thought they were mistaken because I had just washed the unit and I believed it was just water. I checked it a few weeks later, and smelled a strong odor of **gas**oline and a pool of **fuel** on the mower deck. Because the tractor is stored in my garage, which is under my home, this is an extremely dangerous condition. I cannot tell you how disappointed I am in what has happened with this tractor.
I11B0375A	2011-11-13	**Gas** from -- lawn mower model -- was **leak**ing from the seam of the back of **fuel** tank. It was unnoticed until I was trying to start the engine. Fortunately, the **gas** did not catch **fire**.
H11B0169A	2011-11-15	While walking into her garage she noticed that there was a horrible smell of **gas**oline she could not locate any **leak**age on the ground so she wasn't able to determine right away where the odor was coming from. She began to remove certain objects from the garage when she realized that the mower was the source of the **gas**oline smell. On 11/16/2001 she took the ride on mower to her mechanic (name not provided) who took certain parts of the mower and that was when he noticed a hairline **crack** in the plastic **fuel** type. On 11/18/2011 she spoke with the firm and they did not offer any assistance and she was advised that she could purchase a new **fuel** tank from one the authorize dealers.The mower is still with the mechanic and she plans to purchase the **fuel** tank and allow him

		to make the repairs.
H11B0284A	2011-11-29	The consumer stated that his riding lawn mower is a potential **fire** hazard as the **gas** tank has split and **leak**s **gas**. The consumer stated that the plastic **gas** tank **crack** on the "C" line on the front of the mower. The tank is below the seat . The consumer had the lawn mower sitting and the garage last night and could smell **gas**oline. The consumer started the mower today and within seconds noticed the **gas** tank had **crack**ed. The consumer stated that the product has never caught **fire** or smoked. The consumer has not been harmed by the product nor has his home been damaged. The consumer ordered a new **gas** tank today for the lawn mower from the retailer at his expense. The consumer called the retailer about the issue 2 years ago and the consumer didn't offer to help him except sell him a replacement **gas** tank. The retailer referred the consumer to the CPSC. The consumer has not contacted a **fire** inspector about the lawn mower. The consumer stated that the product shows no other signs of damage and has had no other
I11C0001A	2011-12-01	plastic **fuel** tank on -- riding lawn mower has six **crack**s **leak**ing **fuel**
I1220307A	2012-01-03	The bolt on the steering wheel keeps coming loose and the steering wheel will come of while cutting the **gas** tank **leak**s a tank of **gas** before you can finish cutting when i looked at it i seen three **crack**s in the tank and calld -- and they said there is nothing they can do because there is no recall on that model #-- and now the crankcase is filling with **gas**
H1250034A	2012-05-02	The consumer stated that he purchased a used riding lawn mower and used it for the first time 05/02/2012. The consumer stated that while in used the lawn mower ran out of **gas**. The **gas** tank is located in the front under the hood and behind the engine. The consumer stated that when he went to fill the **gas** tank, he realized that it has a **crack**. He stated that it seemed as though the **gas** tank is deteriorating. The consumer stated that he will replace the **gas** tank. The consumer was not injured. The consumer stated that he contacted the retailer and they did not assist him effectively. He stated that they kept asking him about his warranty and it seemed that the representative did not understand his request.
H1250271A	2012-05-25	The consumer says the unit has a plastic **fuel** tank on the body and has developed a **crack**. he says that it **leak**s **fuel**. The tank holds two and a half gallons and he noticed it only had a gallon and a half in it and pretty much all **leak**ed out on the garage floor. He got home on 5-25 and noticed an awful smell of **leak**ing **gas** that he had to ventilate throughout his home. The lawn tractor stays in an attached garage in his home. He says the tractor is not heavily used. He feels this is clearly a **fire** hazard. The consumer contacted the manufacturer who said they never heard of it. He spoke to them on 5-29-2012. They offered no assistance. The machine is currently in a local lawn mower shop. The consumer has seen many online reports of the same thing happening to other consumers
I1270652A	2012-06-01	**Fuel** tank **leak**s **gas**. **Crack**ed tank.
H1280257A	2012-08-17	**The consumer says the fuel tank developed a stress crack. Consequently the fuel leaks out posing a fire hazard.** **The consumer contacted the manufacturer yesterday who said that his model is not on recall. They only offered to sell the customer another tank.** **The consumer says he removed the tank and replaced it with another tank from the same brand lawnmower but a different model. He says that this tank is now also leaking in the same place.** **The consumer is upset with the company who wont own up to there responsiblity. He says there are 25-30 online reports of the same thing happening to other customers.** **UPDATE: There is a current recall in effect for leaking fuel tanks on – walk behind 21" mowers with the following model numbers- –. why not expand it to all models which use the same fuel tanks? My mower is a –, and – refuses to acknowledge responsibility.**

H1390065A	2012-09-09	**The consumer stated that she is having the same problem that is in recall rel#02-113** **The consumer stated that the gas tank cracked and leaked unto the deck creating smoke last year. The consumer stated that she just found out about the recall on 9/9/2013. The consumer stated that she had her mower repaired last year but she wanted to report that she had a problem.**
H12A0072A	2012-10-06	(10/06/2012) The consumer stated that he woke up with a severe headache. The house reeked of **gas** fumes. The consumer stated that the went to the garage to check. He checked all of the **gas** cans and edge trimmer. He stated that since his tractor was in the garage, he checked the **fuel** tank and discovered that it was **leak**ing. There is a **crack** at the seam where it mounts to the frame. He stated that he pushed the tractor out of the garage, started it up and let the **fuel** level run until it was below where the **fuel** tank was damaged. The **fuel** had run down the side of the tank, and under the **fuel** tank and dropped onto the steering mechanism. He stated that his car was not in the garage. The consumer stated that he checked -- and the search showed a CPSC incident report which is similar to his incident. (10/06/2012) The consumer stated that he called the manufacturer. He was transfered several times and asked for a supervisor. He stated that he got disconnected while on hold.
I1370423A	2012-11-06	I was using my very new -- mower on or about 11/06/2012 when I parked it running to move my hose...as I got back to the mower it sounded like the blades were on but they were not so I got back on and decided maybe I should take up to my barn to check it out...as I started going it started acting really funny in moving forward....then I started smelling smoke looked behind me and the entire back cover was melting and the muffler had completely fallen apart....I turned it off and ran from it as it looked like it was going to blow up...ran and got my son who lifted up the melting cover...and muffler hot box was in pieces....a complete meltdown! As we looked the **gas** tank which sets right near it was splitting at the seams...had a full tank of about 3 gallons in it...very near splitting open....I realized I was/had been sitting on a bomb! Called -- they wanted pics...sent them over...then they told me I needed to take it to the -- dealer in town....24 miles away...I got a neighbor
H1330186A	2013-03-17	The consumer says that the unit has a defective **gas** tank that **leak**s. She says that the lawn mower is **crack**ed at the seams. She noticed from the smell of **gas** in there garage. She believes it is a manufacturer defect because the lawn mower had to be taken apart to figure out the **gas** tank was **leak**ing. It is not a round **crack** but a long one at the seam.
H1360057A	2013-05-27	**Fuel leak**ed all over the consumer's garage. The mower had been sitting and had not been used since approximately 9/2012. The consumer had her neighbor come over and examine the mower. That is when they found the 5" **crack** in the plastic **fuel** tank. The consumer called around for a replacement **fuel** tank and she found that the design of them had been changed. This was told to her by a local service center, which sells replacement parts for this manufacturer's mower. Based on the consumer's research and calls, she believes that this is a widespread problem. She is more concern, because the **fuel** tank is directly underneath the seat and someone could be seriously injured if a mower **leak**ed while in use. (6/7/2013) The consumer called the manufacturer about this incident. A report was filed and the consumer was sent a case number by email, for confirmation. The rep. (name unknown) told the consumer that the report would be sent to their corporate office and indicated that the consumer
H1360254A	2013-06-15	The consumer reported that he is experiencing similar problems with lawn tractor of Alert #--. PROBLEM: The **fuel** tank can **crack** and **leak fuel**, posing a **fire** hazard and risk of burn injuries to consumers. He noticed this problem 2 weeks ago while he was using it the **fuel** was spilling to the ground. 6/27/13 The manufacturer and the dealer were contacted and he was advised that they were unable to repair the unit because the recall had expired. The model and serial number was not listed on the recall. He feels that the **fuel** tank is a **fire** hazard and should be recalled.
H1360130A	2013-06-17	The consumer stated that he was starting up his push lawn mower and noticed that the **gas** was **leak**ing out. On further inspection he found out that the **gas** tank was **crack**ed. He stated that the **gas** tank had two pieces welded together and it was **crack**ed at the top of the seam. He cannot estimate the length of the **crack** as of now. The consumer stated that there was a **fire** instantly after starting the lawn mower; he took the **fire** out. This was the first time he used the mower since a week ago. The consumer was suspicious previous times because he saw patches on the lawn from **gas leak**s. He believed that this **leak** might be a manufacturing defect at the welding of the seam. The lawn mower had burn marks at the plastic part of the starting mechanism. The consumer started

		the mower again after putting the **fire** out but turned it off immediately. The **gas** tank still had **fuel** in it but below the seam line. The consumer stated that there were no injuries or damages to his home structure.
I1370280A	2013-07-15	I originally purchased our mower in Indiana, on 14 Oct 2008 (nearly the end of the mowing season). At that time our property was less than 1/5th acre. In Dec 2012 we moved to Ocala, Fl. and now have nearly an acre. We also now have a 52" riding mower for the majority of work, and this mower is very lightly used in some small spaces around bushes and such. I have had nothing but problems with this mower since purchase. The latest problem (&last straw for this junk) was a catastrophic **fuel leak** which occurred 07-15-2013. The **fuel** tank appears to be designed as a two piece tank with a seam separating the upper and lower halves. I used the mower 2 weeks ago with no incident, cleaned it up and put it away. So after it sitting for two weeks with an empty tank I pulled it out of the garage. I then filled the tank and within 10 seconds discovered it was now **leak**ing massively all along the seam on the side that faces the engine.