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› Stens 770-101 Full Synthetic 2-Cycle Engine Oil Instruction Manual

Stens 770-101

Stens 770-101 Full Synthetic 2-Cycle Engine Oil Instruction Manual

1. INTRODUCTION AND OVERVIEW

This manual provides essential information for the proper use and handling of Stens 770-101 Full Synthetic 2-Cycle Engine Oil. This product is designed for use in various 2-cycle engines found in outdoor power equipment. Adhering to these instructions will help ensure optimal engine performance and longevity.

Stens 770-101 is a high-quality, full synthetic 2-cycle engine oil formulated to meet stringent industry standards.

2. PRODUCT FEATURES

- **Full Synthetic Formula:** Provides ultimate long-life protection for your engine.
- **Detergent Additives:** Keeps piston rings free, engine parts clean, and prevents exhaust port blockage, contributing to easier starting and sustained performance.
- **Antioxidant Fuel Stabilizer:** Protects the fuel system and extends fuel life.
- **Clean Burning:** Formulated for low smoke emissions.
- **Industry Certifications:** JASO FD certified and meets ISO L-EGD requirements.
- **Versatile Application:** Works effectively in both 50:1 and 40:1 oil-to-fuel mixing applications.
- **Color:** Blue for easy identification in fuel mixtures.
- **Size:** Available in 1-gallon bottles.

3. SETUP AND PREPARATION

3.1 Mixing Ratios

This oil is designed for use in 2-cycle engines and can be mixed at either a 50:1 or 40:1 ratio with gasoline, depending on the engine manufacturer's specifications. Always consult your equipment's owner's manual for the recommended oil-to-fuel mixing ratio.

- **50:1 Ratio:** Mix 2.6 fluid ounces of Stens 770-101 oil per 1 gallon of gasoline.
- **40:1 Ratio:** Mix 3.2 fluid ounces of Stens 770-101 oil per 1 gallon of gasoline.

3.2 Fuel Compatibility

Important: This product is **not compatible with gasoline containing greater than 10% ethanol (E10)**. Using fuel with higher ethanol content may lead to engine damage or performance issues. Always use fresh, clean gasoline with an ethanol content of 10% or less.

3.3 Mixing Procedure

1. Obtain a clean, approved fuel container.
2. Add the correct amount of Stens 770-101 2-cycle engine oil to the container first.
3. Carefully add the required amount of fresh gasoline (10% ethanol or less) to the container.
4. Securely close the container and gently shake it to ensure thorough mixing of the oil and fuel.
5. Always mix fuel and oil in a well-ventilated area, away from ignition sources.

4. OPERATING GUIDELINES

Once the fuel mixture is prepared according to the engine manufacturer's specifications and the guidelines above, fill your equipment's fuel tank. Always ensure the fuel cap is securely fastened before operating the equipment.

Regularly check your equipment's fuel filter and spark plug for optimal performance. The detergent additives in Stens 770-101 oil help keep these components cleaner, but routine inspection is still recommended.

5. MAINTENANCE

Using Stens 770-101 Full Synthetic 2-Cycle Engine Oil contributes to the overall maintenance of your 2-cycle engine by:

- Minimizing carbon deposits on piston rings and other engine components.
- Preventing exhaust port blockage, which can lead to reduced engine power and starting difficulties.
- Stabilizing fuel, which helps prevent fuel system corrosion and degradation during storage.

Always follow the maintenance schedule outlined in your equipment's owner's manual. This oil is a component of engine maintenance, not a substitute for regular service.

6. TROUBLESHOOTING

If you experience issues with your 2-cycle engine, consider the following:

- **Engine Not Starting or Running Poorly:** Verify that the correct oil-to-fuel ratio has been used. Ensure the gasoline is fresh and contains no more than 10% ethanol. Stale fuel or incorrect mixing ratios are common causes of engine problems.
- **Excessive Smoke:** While this oil is formulated for low smoke, excessive smoke could indicate an incorrect oil-to-fuel ratio (too much oil) or other engine issues. Consult your equipment's manual.
- **Engine Overheating:** Ensure proper ventilation and cooling. While oil lubricates, overheating can be caused by various factors unrelated to oil quality.

For persistent issues, consult a qualified service technician or refer to your equipment's specific troubleshooting guide.

7. SPECIFICATIONS

Stens 770-101 2-Cycle Engine Oil Specifications

Attribute	Value
Brand	Stens
Model Number	770-101
Oil Type	Full Synthetic 2-Cycle Engine Oil
Viscosity	50:1 (Oil Weight)
Mixing Ratios Supported	50:1 and 40:1
Certifications	JASO FD, meets ISO L-EGD requirements
Ethanol Compatibility	Not compatible with greater than 10% ethanol fuel
Color	Blue
Size	1 U.S. Gallon (3.79 Liters)
Item Weight (per bottle)	Approximately 7.6 lbs
UPC	023899495375

8. SAFETY INFORMATION

Always handle engine oil with care. Read and understand all safety warnings on the product label before use.

- **Harmful if Swallowed:** Do not ingest. If swallowed, do not induce vomiting. Seek immediate medical attention.
- **Skin and Eye Contact:** Avoid prolonged or repeated skin contact. Wash thoroughly with soap and water after handling. In case of eye contact, flush thoroughly with water for several minutes. If irritation persists, seek medical attention.
- **Inhalation:** Use in a well-ventilated area. Avoid breathing vapors or mists.
- **Flammability:** Keep away from heat, sparks, open flames, and other ignition sources. Do not smoke while handling.
- **Keep Out of Reach of Children and Pets:** Store in a secure location inaccessible to children and animals.
- **California Proposition 65 Warning:** This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

9. STORAGE

Store Stens 770-101 2-Cycle Engine Oil in its original, tightly sealed container in a cool, dry, and well-ventilated area. Protect from direct sunlight and extreme temperatures. Do not store near strong oxidizers or combustible materials.

10. DISPOSAL

Dispose of used engine oil and empty containers in accordance with all local, state, and federal regulations. Do not pour used oil down drains, onto the ground, or into water sources. Many automotive service centers and recycling facilities accept used engine oil for proper disposal.

11. PRODUCT IMAGES



Figure 1: Two 1-gallon bottles of Stens Shield Full Synthetic 2-Cycle Engine Oil, packaged for sale, with the product box visible behind them. Each bottle features the Stens Shield logo and product details.





Figure 2: Front view of a single 1-gallon bottle of Stens Shield Full Synthetic 2-Cycle Engine Oil. The label clearly displays "Full Synthetic 2-Cycle Engine Oil," "For Outdoor Power Equipment," and key features like "JASO FD certified" and "50:1 Ratio."





Full Synthetic 2-Cycle Engine Oil

For Outdoor Power Equipment

Stens Shield Full Synthetic 2-Cycle Engine Oil is a JASO FD certified high-quality oil that provides the ultimate in long life protection for your small engine. Special detergent additives keep rings free and ports clean, extending engine life. Extreme dyno testing has proven superior reliability vs. the competition.

- Antioxidant fuel stabilizer protects fuel system and extends fuel life
- Clean burning with low smoke
- Keeps rings free, engine parts clean and prevents exhaust port blockage for easy starting
- Works in 50:1 and 40:1 applications
- JASO FD Certified

CAUTION: Harmful if swallowed. Contains petroleum distillates. If swallowed do not induce vomiting. Call a physician. KEEP OUT OF REACH OF CHILDREN. ⚠ WARNING: Cancer and Reproductive Harm - www.P60Warnings.ca.gov

Manufactured for
Stens
1919 Hospitality Drive
Jasper IN 47546
(800) 457-7444

Made in USA
of domestic and
imported components



PRODUCT MEETING JASO M 345
COMPANY GUARANTEEING THIS FD
PERFORMANCE: STENS

Part: 770-101



Figure 3: Back view of a single 1-gallon bottle of Stens Shield Full Synthetic 2-Cycle Engine Oil. This side provides detailed product description, safety warnings, manufacturer information, and the part number 770-101.



Figure 4: A white cardboard shipping box featuring the Stens Shield Lubricants logo in blue. The box also includes manufacturer contact information and states "Made in USA of domestic and imported components."

12. CONTACT AND SUPPORT

For further assistance or inquiries regarding Stens products, please visit the official Stens website or contact their customer support. Always refer to your equipment's owner's manual for specific service and maintenance requirements.

Manufacturer: Stens

Website: [Visit the Stens Store on Amazon](#)

ASK A QUESTION ABOUT THIS MANUAL

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Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

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