John Deere AM107423

John Deere Original Equipment Oil Filter

Model: AM107423
Brand: John Deere

Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your John Deere Original Equipment Oil Filter, model AM107423. Designed for John Deere lawn tractors, this oil filter is a critical component for maintaining engine health and performance. Regular replacement ensures optimal filtration and extends the life of your equipment.

Product Overview



Image: A single John Deere Original Equipment Oil Filter, model AM107423, shown in its black casing with the John Deere logo and model number clearly visible. The filter is designed to capture contaminants from engine oil.

The John Deere AM107423 oil filter is an original equipment manufacturer (OEM) part, ensuring compatibility and performance with specified John Deere machinery. It is designed to provide effective filtration, protecting your engine from harmful particles and maintaining oil cleanliness.

Setup and Installation

Proper installation of the oil filter is crucial for its effective operation and to prevent oil leaks. Always refer to your specific John Deere equipment's service manual for detailed, model-specific instructions.

1. **Preparation:** Ensure the engine is cool. Place a drain pan beneath the oil filter to catch any spilled oil.
2. **Remove Old Filter:** Use an oil filter wrench to loosen and remove the old oil filter. Be prepared for oil to drain out.
3. **Clean Mounting Surface:** Wipe the engine's oil filter mounting surface clean with a rag. Ensure no old gasket material remains.
4. **Lubricate New Filter:** Apply a thin film of clean engine oil to the rubber gasket of the new AM107423 oil filter. This helps ensure a proper seal.
5. **Install New Filter:** Screw the new filter onto the engine by hand until the gasket makes contact with the mounting surface. Then, tighten it an additional 1/2 to 3/4 turn. Do not overtighten.
6. **Refill Oil:** Add the recommended amount and type of engine oil to your equipment.
7. **Check for Leaks:** Start the engine and let it run for a few minutes. Check for any oil leaks around the new filter. Turn off the engine and recheck the oil level.

Operating Principles

The John Deere AM107423 oil filter operates by filtering contaminants from the engine oil as it circulates through the lubrication system. The filter media traps dirt, metal particles, and other debris, preventing them from causing wear and damage to internal engine components. A clean oil filter ensures a steady flow of clean oil to all moving parts, which is essential for engine longevity and performance.

Maintenance

Regular maintenance, specifically timely oil and filter changes, is vital for the health of your John Deere equipment. The frequency of replacement depends on usage, operating conditions, and the recommendations in your equipment's owner's manual.

- **Replacement Schedule:** It is generally recommended to replace the oil filter at least once per season or every 50-100 operating hours, whichever comes first. For heavy use or dusty conditions, more frequent changes may be necessary.
- **Combined with Oil Change:** Always replace the oil filter when performing an engine oil change. This ensures that new, clean oil is not immediately contaminated by residues in an old filter.
- **Genuine Parts:** Use only genuine John Deere oil filters, such as the AM107423, to ensure proper fit, filtration efficiency, and compatibility with your equipment.

Troubleshooting

Problem	Possible Cause	Solution

Problem	Possible Cause	Solution
Oil Leak at Filter	Improperly tightened filter, damaged gasket, debris on mounting surface.	Ensure filter is tightened correctly (1/2 to 3/4 turn past hand-tight). Check gasket for damage; replace filter if necessary. Clean mounting surface thoroughly.
Low Oil Pressure Warning	Clogged oil filter, incorrect oil level, faulty oil pressure sensor.	Replace oil filter. Check and adjust oil level. Consult a qualified technician if the problem persists.
Engine Noise/Poor Performance	Severely clogged oil filter restricting oil flow.	Immediately replace the oil filter and engine oil. Inspect engine for any damage caused by oil starvation.

Specifications

Brand: John Deere

Model Number: AM107423

Product Grade: Performance Part

Vehicle Service Type: Lawn Tractor

Thread Size: 0.75 in

Item Weight: 1.5 pounds

Package Dimensions: 6 x 6 x 6 inches

Number of Items: 2 (as typically sold in a pack)

Warranty and Support

John Deere Original Equipment parts are manufactured to high standards and typically come with a limited warranty against defects in materials and workmanship. For specific warranty details, please refer to the warranty information provided with your original equipment purchase or contact an authorized John Deere dealer.

For technical support, parts inquiries, or service assistance, please contact your local authorized John Deere dealer or visit the official John Deere website. Always provide your equipment's model and serial number when seeking support.

Official John Deere Website: www.deere.com

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