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Donaldson P552849

Donaldson P552849 Lube Filter Instruction Manual

Model: P552849 | Brand: Donaldson

1. PRODUCT OVERVIEW

The Donaldson P552849 is a spin-on full flow lube filter designed for effective filtration in various industries. Donaldson filtration products are engineered for durability and performance, ensuring optimal operation and reduced maintenance downtime for commercial vehicles such as long-haul trucks, school buses, and dump trucks.



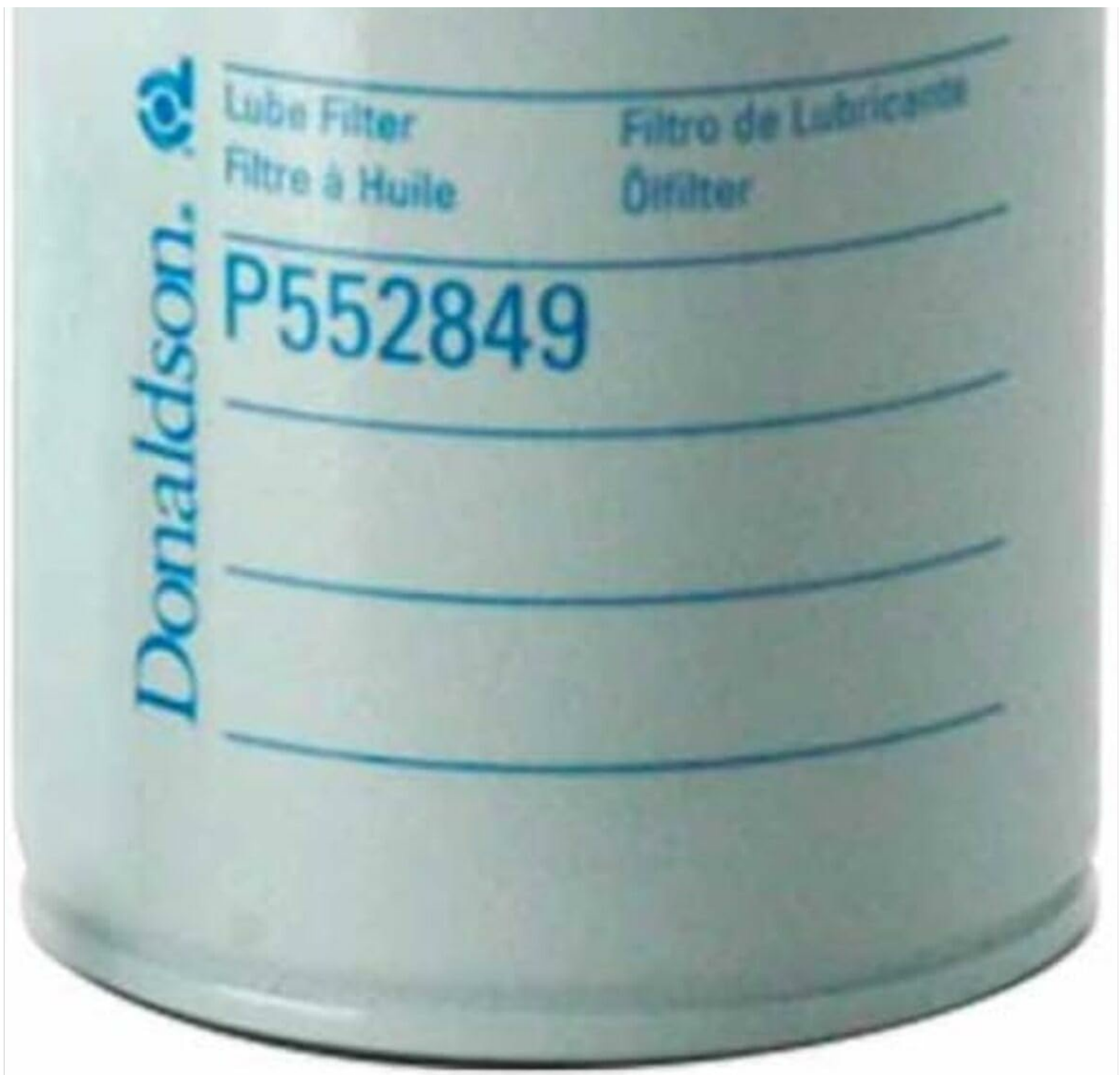


Image 1.1: The Donaldson P552849 Spin-On Full Flow Lube Filter. This image displays the cylindrical filter unit, typically black or dark in color, with a threaded base for installation.

2. KEY FEATURES

- **Optimal Performance:** Engineered to ensure peak performance and longevity for commercial vehicles.
- **Compact Design:** Dimensions of 310 x 310 x 210 millimeters (approx. 12.2 x 12.2 x 8.27 inches) for efficient integration.
- **Lightweight:** Weighs approximately 0.32 kilograms (11 ounces), suitable for various applications.
- **Compatibility:** Specifically designed for truck service types.
- **Material:** Constructed with paper filter media for effective filtration.

3. SETUP AND INSTALLATION

Proper installation is crucial for the performance and longevity of the lube filter. Always refer to the vehicle manufacturer's service manual for specific instructions and safety precautions.

3.1 Safety Precautions

- Ensure the engine is off and cool before beginning work.
- Wear appropriate personal protective equipment (PPE), including gloves and eye protection.
- Have a drain pan ready to collect used oil.

3.2 Installation Steps

1. **Drain Old Oil:** Position a drain pan under the oil pan and remove the drain plug to allow the old engine oil to drain completely.
2. **Remove Old Filter:** Locate the old lube filter. Use an appropriate filter wrench to loosen and remove the old filter. Be prepared for residual oil to spill.
3. **Clean Mounting Surface:** Thoroughly clean the filter mounting surface on the engine block, ensuring no old gasket material remains.
4. **Prepare New Filter:** Apply a thin film of clean engine oil to the gasket of the new Donaldson P552849 filter. This helps ensure a proper seal.
5. **Install New Filter:** Hand-tighten the new filter onto the engine block until the gasket makes contact. Then, tighten an additional 3/4 to 1 full turn, or as specified by the vehicle manufacturer. Do not overtighten.
6. **Refill Engine Oil:** Replace the oil drain plug and refill the engine with the recommended type and quantity of new engine oil.
7. **Check for Leaks:** Start the engine and let it run for a few minutes. Check for any oil leaks around the new filter and the drain plug. Turn off the engine and recheck the oil level.

4. OPERATING GUIDELINES

Once installed, the Donaldson P552849 lube filter operates continuously to remove contaminants from the engine oil. No specific user interaction is required during normal operation.

- Ensure the engine oil level is maintained within the manufacturer's recommended range.
- Monitor the vehicle's oil pressure gauge during operation. Any significant drop in oil pressure may indicate a problem with the filter or lubrication system.

5. MAINTENANCE

Regular maintenance, primarily filter replacement, is essential for engine health and longevity.

5.1 Filter Replacement Interval

- Replace the Donaldson P552849 lube filter according to the vehicle manufacturer's recommended service schedule, typically during every oil change.
- Operating conditions (e.g., heavy-duty use, dusty environments) may necessitate more frequent filter changes.

5.2 Inspection

- Periodically inspect the filter for any signs of damage, leaks, or corrosion.
- Ensure the filter remains securely tightened.

6. TROUBLESHOOTING

This section addresses common issues related to lube filter operation.

6.1 Oil Leaks Around Filter

- **Cause:** Improperly tightened filter, damaged gasket, or debris on the mounting surface.
- **Solution:** Ensure the filter is tightened correctly (hand-tight plus 3/4 to 1 turn). If leaks persist, remove the filter, inspect the gasket and mounting surface for damage or debris, clean thoroughly, and reinstall with a new filter if necessary.

6.2 Low Oil Pressure Indication

- **Cause:** Severely clogged filter, low oil level, or other engine lubrication system issues.
- **Solution:** First, check the engine oil level and add oil if necessary. If the oil level is correct, consider replacing the filter as it may be restricted. If the problem persists after filter replacement, consult a qualified mechanic as it may indicate a more serious engine issue.

7. SPECIFICATIONS

Specification	Value
Brand	Donaldson
Model Number	P552849
Material	Paper
Product Grade	Performance Part
Vehicle Service Type	Truck
Item Dimensions (L x W x H)	12.2 x 12.2 x 8.27 inches (310 x 310 x 210 mm)
Outside Diameter	2.95 Inches
Thread Size	M20 x 1.5
Item Weight	11 ounces (0.32 kg)



Image 7.1: An assortment of Donaldson filtration products. This image shows various types of filters, including air and oil filters, highlighting the brand's range of filtration solutions.

8. WARRANTY INFORMATION

Donaldson products are manufactured to high-quality standards. For specific warranty details, please refer to the official Donaldson warranty statement available on their website or contact their customer service. Typically, warranties cover defects in materials and workmanship under normal use and service.

9. CUSTOMER SUPPORT

For technical assistance, product inquiries, or support, please contact Donaldson customer service through their official website or the contact information provided with your purchase. When contacting support, please have your product model number (P552849) and any relevant purchase details available.



Image 9.1: The official Donaldson logo, featuring the stylized 'd' and company name, representing their brand identity.