

CAT TDTO 30

CAT 248-7521 Transmission and Drivetrain Oil TDTO 30 User Manual

Model: TDTO 30 | Brand: CAT

1. INTRODUCTION

This manual provides essential information for the proper use, handling, and storage of CAT 248-7521 Transmission and Drivetrain Oil TDTO 30. This product is a system-matched formula designed to provide longer clutch disc life and optimum wear life for gears, bearings, and friction disc material in compatible equipment.

Cat TDTO is specifically formulated to meet and exceed the rigorous demands of Caterpillar equipment, passing five additional Caterpillar tests beyond minimum industry standards.

2. SAFETY INFORMATION

WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Always handle with care and follow all safety guidelines.

- Always wear appropriate personal protective equipment (PPE), such as gloves and eye protection, when handling oil.
- Avoid prolonged or repeated skin contact with used oil. Wash thoroughly with soap and water after handling.
- Do not ingest. If swallowed, do not induce vomiting. Seek immediate medical attention.
- Keep out of reach of children and pets.
- Store in a cool, dry, well-ventilated area away from direct sunlight and sources of ignition.
- Dispose of used oil and containers in accordance with local environmental regulations. Do not pour into drains or dispose of with household waste.

3. PREPARATION FOR USE

Before applying CAT TDTO 30, ensure the equipment's transmission, final drive, or wet brake compartment is clean and free from contaminants. Refer to your equipment's specific service manual for detailed instructions on draining old fluid and preparing the system for new oil.

Ensure the product is at an appropriate temperature for pouring, typically room temperature, to facilitate smooth flow and accurate measurement.

4. USAGE INSTRUCTIONS

CAT TDTO 30 is recommended for use in:

- Power shift transmissions
- Most final drives
- Wet brake compartments

Always consult your equipment manufacturer's manual for the correct oil type, viscosity, and fill capacity. Fill the system to the recommended level using appropriate filling equipment to prevent spills and ensure proper lubrication.



Figure 1: Front view of the CAT TDTO 30 oil container, showing the CAT logo, product name, and 3.785 L (1 GAL) volume marking.



Figure 2: Back view of the CAT TDTO 30 oil container, displaying safety warnings, disposal information, and manufacturer details.

5. STORAGE AND HANDLING

To maintain the quality and effectiveness of CAT TDTO 30:

- Store containers upright in a cool, dry, well-ventilated area.
- Keep containers tightly sealed when not in use to prevent contamination.
- Avoid extreme temperatures. Freezing or excessive heat can affect product performance.
- Do not store near strong oxidizers or combustible materials.



Figure 3: Angled view of the CAT TDTO 30 oil container, highlighting the ergonomic handle and overall design.

6. DISPOSAL GUIDELINES

Proper disposal of used oil is crucial for environmental protection. Do not dispose of used oil in household waste, drains, or on the ground.

- Collect used oil in a sealed, leak-proof container.
- Take used oil to an authorized recycling center or collection point. Many automotive service centers and municipal waste facilities accept used oil for recycling.
- Consult local regulations for specific disposal requirements in your area.
- For spills, contain the spill immediately using absorbent materials. Clean up thoroughly and dispose of contaminated materials properly.

7. SPECIFICATIONS

Attribute	Detail
Product Name	CAT 248-7521 Transmission and Drivetrain Oil TDTO 30
Model Number	TDTO 30
Brand	CAT
Volume Unit (English)	1 Gallon
SAE Viscosity	30
Classifications Met	TO-4, TO-4M, Allison C-4
Recommended Application	Power shift transmissions, most final drives, and wet brake compartments.
Product Dimensions	7 x 4 x 12 inches
Item Weight	8 Pounds
Manufacturer	Exxon Mobil Corporation

8. WHAT'S IN THE BOX

- 1 US Gallon of 248-7521 TDTO 30

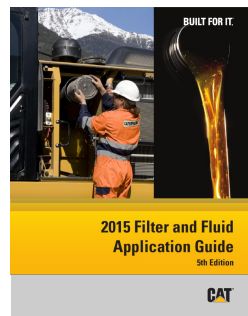
9. WARRANTY AND SUPPORT

Specific warranty information for CAT 248-7521 Transmission and Drivetrain Oil TDTO 30 is typically provided by the manufacturer, Exxon Mobil Corporation, or through authorized distributors. Please refer to the product packaging or contact your point of purchase for details regarding warranty coverage and support.

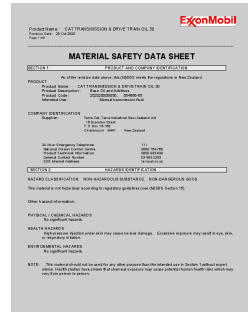
For technical inquiries or further assistance, it is recommended to contact an authorized CAT dealer or the manufacturer directly.

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2015 Filter and Fluid Application Guide 5th Edition Table of Contents Section Page Introductio ... TDTO Cold Weather Cat M
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Product Name: CAT TRANSMISSION DRIVE TRAIN OIL 30 Revision Date: 26 Oct 2020 Page 1 of 9
MATERIAL SAFETY DATA SHEET SECTION 1 PRODUCT AND COMPANY IDENTIFICATION As of the revi...
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