



CHEVRON FINAL DRIVE

SAE 60

PRODUCT DESCRIPTION

Premium heavy-duty gear lubricant specifically designed for use in final drives and axles of modern Caterpillar off-road equipment operating in severe service, where fluids meeting Cat FD-1 specification are recommended.

CUSTOMER BENEFITS

Chevron Final Drive delivers value through:

- **Maximizes equipment life in severe service** — Advanced additive system minimizes wear in heavily loaded gears and bearings by forming a strong protective layer on metal surfaces under extreme service conditions.
- **Prolongs oil life** — Extremely high thermal and oxidation stability protects against viscosity increase and deposit formation. Drain interval of 4,000 hours is recommended (compare to typical 2,000 hour drain interval for Cat TO-4 fluids).
- **Minimizes unscheduled maintenance** — Effective rust and corrosion inhibitors protect final drive components. Good viscosity characteristics at low temperatures ensure rapid oil circulation on start-up, preventing premature component wear.
- **Excellent foam protection** — Works to avoid fluid loss due to foaming
- **Long Equipment Life** — Fluid film with special additives helps protect metal surfaces against pitting, scuffing and wear, even under severe operating conditions of high temperature and high load.

FEATURES

Chevron Final Drive is designed *specifically* for heavy-duty final drives and axles in severe service. Unlike conventional Cat TO-4 type fluids, it is generally not suitable for powershift transmissions or for oil-immersed brakes or clutches due to different frictional characteristics.

Delo® TorqForce series is recommended for Caterpillar powershift transmissions, hydraulics and wet brake applications requiring TO-4 type lubricants meeting Cat TO-4 specification.

APPLICATIONS

- Final drives, axles, differentials and front wheels of Caterpillar equipment where Cat FD-1 performance fluid is specified
- Caterpillar heavy-duty off-highway haul trucks
- Caterpillar wheeled and track-type tractors

Not suitable for oil-immersed brakes or clutches.

Chevron Final Drive SAE 60 meets or exceeds:

- **CATERPILLAR** FD-1

Product(s) manufactured in the USA and Colombia.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.

A **Chevron** company product

24 September 2015

TTF-36

© 2012-2015 Chevron U.S.A. Inc. All rights reserved.

Chevron and the Chevron Hallmark are trademarks owned by Chevron Intellectual Property LLC. All other trademarks are property of their respective owners.

TYPICAL TEST DATA

SAE Grade	60
<i>Product Number</i>	<i>226602</i>
<i>SDS/MSDS Number</i>	
<i>USA</i>	<i>31611</i>
<i>Colombia</i>	<i>36852</i>
Density at 15°C, kg/L	.90
Viscosity, Kinematic	
mm ² /s at 40°C	335
mm ² /s at 100°C	25
Viscosity Index	97
Flash Point, °C(°F)	288(550)
Pour Point, °C(°F)	-25(-13)
Phosphorus, mass %	0.031
Calcium, mass %	0.028

Minor variations in product typical test data are to be expected in normal manufacturing.

Always confirm that the product selected is consistent with the original equipment manufacturer's recommendation for the equipment operating conditions and customer's maintenance practices.