



# FD01 FLUID

## Heavy Duty Final Drive Gear Oil

Issue: May 2015

PRODUCT CODE	PACK SIZE	CTN / QTY
FD011100LTR	1000 Litre	1



### Description

**FD01** is a premium mineral, heavy duty, SAE 60 gear oil specifically designed for use in final drives and axles of Caterpillar off-road equipment operating in all types of service conditions where fluids meeting Cat FD-1 are recommended.

### Application

**FD01** Fluid is designed for use in heavily loaded final drives in Caterpillar equipment where the Caterpillar specification FD-1 is required. It can be used on Caterpillar off road trucks and tractors with either wheel or track type drive systems.

**FD01** provides improved gear and bearing life in final drives and axles over previous TO-4 Fluid. This oil is designed to **NOT** develop friction coefficients for clutch & brake packs but just protect bearings & gears from failure

**FD01** allows the full 4,000 hour drain interval to be achieved in off highway haulers, reducing costly downtime.

**FD01** can be used in a wide range of ambient temperatures and protects against rust & oxidation in all climatic conditions.

**Note:** **FD01 Fluid** should not be used in engines, transmissions or hydraulic systems or in final drives and axles containing friction materials and/or wet brakes. Use the appropriate Fleet Gear product or Tractor Transmission and Hydraulic Fluid.

### Product Benefits

- Superior extreme pressure properties compared to TO-4 fluids.
- Protects against rust and corrosion.
- Excellent foam control.
- Improved shock load capability.
- Extends component life.
- Long oil drains reduce downtime.

### Industry Specifications

Caterpillar FD-1

### Typical Data

Density at 15°C, kg/L	0.905
Flash Point, °C	210
Viscosity, Kinematic, cSt	
at 40°C	327
at 100°C	25.2
Viscosity Index	100
Phosphorus, mass %	0.031
Calcium, mass %	0.028



Information in this sheet is based on recent production. Minor variations to typical properties are expected in normal manufacture and do not affect product performance. A MSDS is available on request.

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