



# Mobilube XFD 50, 60

## Extra High Performance Drivetrain Lubricants

### Product Description

Mobilube XFD 50 and 60 are extra high performance drivetrain lubricants engineered specifically to provide optimum component life when used as recommended in Caterpillar final drives and axles. They are formulated from advanced base oils and the latest additive technology to protect bearings and gears from premature failure due to fatigue. These lubricants deliver excellent performance in heavy-duty commercial axles and final drives where extreme pressures and shock loading are expected. They provide exceptional chemical and thermal stability at elevated bulk oil temperatures generated under heavy loads and/or high ambient temperatures.

Mobilube XFD Series have been extensively field tested in Caterpillar off-highway heavy trucks and bulldozers over a wide range of ambient temperatures and operating in severe conditions with a recommended drain interval up to 4,000 hours for off-highway haulers.

### Features and Benefits

Demands for higher productivity, more severe operating conditions, and larger capacity equipment put severe stress on axles and final drive components. In severe applications, TO-4 lubricants may be limited in terms of wear protection in heavily loaded final drives due to their need to also serve the frictional requirements of clutches in heavy-duty transmissions. For optimum durability and performance, Mobilube XFD gear lubricants can be relied on to maintain productivity and minimize maintenance costs between scheduled service intervals in extreme applications. The key benefits include:

<b>Features</b>	<b>Advantages and Potential Benefits</b>
Improved extreme pressure (EP) performance versus TO-4 fluids	Increased load and shock carrying ability with reduced premature failures and operating costs
High oxidation and thermal stability	Longer oil life, reduced deposits, and extended component life
Excellent protection against copper corrosion and rust	Extended component life and lower maintenance costs
Wide temperature capability	Simplifies inventory and reduces need for seasonal change-outs
Good compatibility with seals and conventional drive train lubricants	Reduces leakage and contamination from external sources

## Features

Eliminates or reduces foaming

## Advantages and Potential Benefits

Maintains film strength for reliable wear protection

## Applications

### Recommended by ExxonMobil for use in:

- Heavy-duty axles and final drives used in trucks and bulldozers built by Caterpillar
- Off-highway industries including: construction, mining, and quarrying
- Applications where the maximum operating ambient temperature is below 32°C (90°F)
- Applications where the maximum operating ambient temperature is below 50°C (122°F)
- Not recommended for engines, transmissions or hydraulic systems
- Not recommended for final drives and axles containing friction material and/or wet brakes

## Specifications and Approvals

Mobilube XFD meets or exceeds the requirements of the following industry and builder specifications

	50	60
Caterpillar FD-1	X	X

## Typical Properties

Mobilube XFD Properties	50	60
SAE Grade	50	60
Viscosity, ASTM D 445		
cSt @ 40°C	206	334
cSt @ 100°C	18.4	25.2
Viscosity Index, ASTM D 2270	97	97
Pour Point, °C, ASTM D 97	-24	-15
Flash Point, °C, ASTM D 92	250	255
Density @ 15°C kg/l, ASTM D 4052	0.897	0.899

## Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

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