Mobil

# Mobilube XFD Series

Mobil Commercial Vehicle Lube , Egypt

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 recommen Caterpillar final drives and axles. They are formulated from advanced base oils and the latest additive technology to protect bearings and gears from premature due to fatigue. These lubricants deliver excellent performance in heavy-duty commercial axles and final drives where extreme pressures and shock loading are exp 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 ope 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 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 cl in heavy-duty transmissions. For optimum durability and performance, Mobilube XFD gear lubricants can be relied on to maintain productivity and minimize mainte costs between scheduled service intervals in extreme applications. The key benefits include:

| Features | Advantages and Potential Benefits |
|---|---|
| Improved extreme pressure (EP) performance versus TO-4 fluids | Increased load and shock carrying ability with reduced premature failures and operating co |
| 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 |
| Eliminates or reduces foaming | 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

| This product meets or exceeds the requirements of: | 50 | 60 |
|---|---|---|
| CATERPILLAR FD-1 | X | X |

## Properties and Specifications

| Property | 50 | 60 |
|---|---|---|
| Grade | SAE 50 | SAE 60 |
| Density @ 15 C, kg/l, ASTM D4052 | 0.897 | 0.899 |
| Flash Point, Cleveland Open Cup, °C, ASTM D92 | 250 | 255 |
| Kinematic Viscosity @ 100 C, mm2/s, ASTM D445 | 18.4 | 25.2 |
| Kinematic Viscosity @ 40 C, mm2/s, ASTM D445 | 206 | 334 |
| Pour Point, °C, ASTM D97 | -24 | -15 |
| Viscosity Index, ASTM D2270 | 97 | 97 |

## Health and Safety

Health and Safety recommendations for this product can be found on the Material Safety Data Sheet (MSDS) @ http://www.msds.exxonmobil.com/psims/psims.as



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You can always contact our Technical Help Desk engineers on Mobil lubricants and services related questions: https://www.global.mobil.com/en/contact-us

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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product perfor are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All pr may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com
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