



Mobilube HD 80W-90, 85W-140

Heavy Duty Automotive Gear Lubricants

Product Description

Mobilube HD 80W-90 and 85W-140 are high performance, heavy duty gear lubricants formulated from high performance base oils and an advanced additive system. These lubricants are engineered for automotive applications including heavy duty axles and final drives where extreme pressures and shock loading are expected. They are recommended by ExxonMobil for applications where API GL-5 service is required.

Features and Benefits

Today's heavy equipment applications place higher performance demands on drive train lubricants. Higher speeds, higher torque, and heavier loads require improved formulations to maximise equipment life and optimise operating costs. Longer service intervals place additional demands on the gear lubricant requiring effective basestock and additive systems. Mobilube HD Series of gear lubricants are engineered to meet these challenges. The key benefits include:

Features	Advantages and Potential Benefits
Exceptional thermal stability and resistance to high temperature oxidation	Extended gear and bearing life due to minimal deposits Longer seal life
Outstanding protection against low speed/high torque wear and against high speed scoring	Increased load carrying capability Reduced maintenance costs and longer equipment life
Excellent rust and corrosion protection	Reduced wear and longer component life
Effective low temperature lubrication	Improved startability
Compatible with typical automotive seals and gaskets	Minimum leakage and reduced contamination

Applications

Recommended by ExxonMobil for use in:

- Heavy duty axles and final drives requiring API GL-5 level performance
- Passenger cars, on highway light and heavy duty trucks and commercial vehicles
- Off highway industries including: construction, mining, quarrying, and agriculture
- Other heavy duty industrial and automotive applications involving hypoid gears operating under conditions where high speed/shock load, high speed/low torque, and/or low speed/high torque prevail

Specifications and Approvals

Mobilube HD Gear Oils meet or exceed the requirements of the following industry specification:	80W-90	85W-140
API GL-5	X	X

Typical Properties

Mobilube HD Properties	80W-90	85W-140
SAE Grade	80W-90	85W-140
Viscosity, ASTM D445		
cSt @ 40°C	136	328
cSt @ 100°C	14.5	25.3
Viscosity Index, ASTM D2270	105	97
Pour Point, °C, ASTM D97	-30	-18
Flash Point, °C, ASTM D92	202	224
Density @ 15°C kg/l, ASTM D4052	0.90	0.91

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.aspx>

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