Mobil

Mobilube™ HD-N 80W-140

Mobil Commercial Vehicle Lube , Spain

Extra High Performance Commercial Gear Lubricant

Product Description

Mobilube HD-N 80W-140 is an extra high performance commercial gear lubricant engineered from select base oils and an advanced additive system. This lubricant is formulated for performance in heavy-duty transmissions, axles, and final drives where extreme pressures and shock loading are expected. It provides excellent chemical and thermal stability at elevated bulk oil temperatures, good performance at low temperatures and has demonstrated good rust protection resulting from water contamination and/or storage in wet conditions.

Features and Benefits

Today's heavy equipment applications place higher performance demands on drivetrain lubricants. Higher speeds, higher torque, and heavier loads require improved formulations to maximise equipment life and minimise operating costs. Longer service intervals place additional demands on the gear lubricant. Mobilube HD-N 80W-140 gear lubricant is engineered to meet these challenges. Key benefits include:

Features	Advantages and Potential Benefits
Excellent thermal stability and resistance to high temperature oxidation	Extended gear and bearing life due to minimal deposits Longer seal life
Protection against low speed/high torque wear and against high speed scoring	Increased load carrying capability reduces wear and extends equipment life
Excellent rust, staining, and corrosion protection	Reduced maintenance costs and longer component life
Effective low temperature lubrication	Ease of start-up and reduced wear
Wide multipurpose capability	Reduced number of gear lubricants to simplify inventory and minimise misapplication
Good resistance to foaming	Maintains film strength for effective lubrication
Compatible with typical automotive seals and gaskets	Minimum leakage and reduced contamination

Applications

Recommended by ExxonMobil for use in:

- Heavy duty manual transmissions, axles, and final drives requiring API GL-5 level performance including Scania
- On-highway light and heavy duty trucks, busses, vans, and cars
- Off-highway industries including: construction, quarrying, and agriculture
- Other heavy-duty industrial and automotive applications involving hypoid and other gears operating under conditions where high speed/shock load, high speed/low torque, and/or low speed/high torque conditions prevail
- Initial fill, top-up, and refill of enclosed commercial-type gearing in manual or semiautomatic transmissions where gear lubricants are recommended including drive axles and final drives of trucks, off-highway equipment, and cars
- Not recommended for applications requiring API GL-4 level performance
- Not intended for transmissions for which engine oil or automatic transmission fluids are recommended
- For limited-slip differential applications, it may be necessary to use a special factory-provided gear lubricant for those requiring ultimate chatter control

Specifications and Approvals

This product meets or exceeds the requirements of:
API GL-5

Properties and Specifications

Property	
Grade	SAE 80W-140
Density @ 15.6 C, kg/l, ASTM D4052	0.892
Flash Point, Cleveland Open Cup, °C, ASTM D92	196
Kinematic Viscosity @ 100 C, mm2/s, ASTM D445	25.3
Kinematic Viscosity @ 40 C, mm2/s, ASTM D445	262
Pour Point, °C, ASTM D97	-30
Viscosity Index, ASTM D2270	125

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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