



Mobilube HD-N 80W-140

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

Mobilube HD-N 80W-140 meets or exceeds the requirements of the following industry specification:

API GL-5

Scania STO 1:0

Typical Properties

Mobilube HD-N 80W-140

SAE Grade 80W-140

Viscosity, ASTM D 445

cSt @ 40°C 262

cSt @ 100°C 25.3

Viscosity Index, ASTM D 2270 125

Pour Point, °C, ASTM D 97 -30

Flash Point, °C, ASTM D 92 196

Density @ 15°C kg/l, ASTM D 4052 0.892

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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Typical Properties are typical of those obtained with normal production tolerance and do not constitute a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice. All products may not be available locally. For more information, contact your local ExxonMobil contact or visit www.exxonmobil.com ExxonMobil is comprised of numerous affiliates and subsidiaries, many with names that include Esso, Mobil, or ExxonMobil. Nothing in this document is intended to override or supersede the corporate separateness of local entities. Responsibility for local action and accountability remains with the local ExxonMobil-affiliate entities.

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