

# Mobilube HD Plus

## Extra High Performance Commercial Gear Lubricants

### Product Description

Mobilube HD Plus 75W-90, 80W-90 and 85W-140 are extra high performance commercial gear lubricants formulated from select base oils and an advanced additive system. These lubricants are engineered for performance in heavy-duty commercial transmissions, axles, and final drives where extreme pressures and shock loading are expected. They provide excellent chemical and thermal stability at elevated bulk oil temperatures, good performance at low temperatures, and good rust protection resulting from water contamination and wet conditions. They will provide excellent performance in applications where API GL-5 or MT-1 lubricants are 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 maximize equipment life and optimize operating costs. Longer service intervals place additional demands on the gear lubricant. Mobilube HD Plus gear lubricants are engineered to meet these challenges. The 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 and longer seal life
Good protection against low speed/high torque wear and against high speed scoring	Increased load carrying capability and reduced operating costs
Excellent rust, staining, and corrosion protection	Reduced wear and longer component life
Effective low temperature lubrication	Reduced wear and ease of start-up
Wide multipurpose capability	Reduced number of gear lubricants to simplify inventory and minimize misapplication
Good resistance to foaming	Maintains film strength for effective lubrication
Compatible with typical automotive seals and gaskets	Minimum leakage and reduced contamination

### Applications

- Heavy-duty manual transmissions, axles, and final drives requiring API GL-5 and MT-1 level performance
- On-highway light and heavy-duty trucks, busses, vans, and cars
- Off-highway industries including: construction, mining, 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
- Mobilube HD Plus gear lubricants are intended for initial fill, top-off, and refill of enclosed commercial gearing in manual or semiautomatic transmissions where gear lubricants are recommended including drive axles and final drives



- Not recommended for applications requiring API GL-4 Level performance
- Not intended for transmissions for which engine oil or automatic transmission fluids are recommended

## Specifications and Approvals

<b>Mobilube HD Plus meets or exceeds the requirements of:</b>	<b>75W-90</b>	<b>80W-90</b>	<b>85W-140</b>
API GL-5		X	X
API MT-1		X	X
Mack GO-J		X	X

<b>Mobilube HD Plus is recommended by Imperial Oil for use in applications requiring:</b>	<b>75W-90</b>	<b>80W-90</b>	<b>85W-140</b>
API GL-5	X		
API MT-1	X		
MIL-PRF-2105E		X	X

## Typical Properties

<b>Mobilube HD Plus</b>	<b>75W-90</b>	<b>80W-90</b>	<b>85W-140</b>
SAE Grade	75W-90	80W-90	85W-140
Viscosity, ASTM D 445			
cSt @ 40°C	92	146	347
cSt @ 100°C	15.8	15.8	27.4
Viscosity Index, ASTM D 2270	184	111	105
Pour Point, °C, ASTM D 97	-45	-27	-15
Flash Point, °C, ASTM D 92	150	165	200
Density @ 15°C kg/l, ASTM D 4052	0.896	0.887	0.894

## Precautions

The products described on this data sheet are manufactured from high quality petroleum base stocks, carefully blended with selected additives. As with all petroleum products, good personal hygiene and careful handling should always be practiced. Avoid prolonged contact to skin, splashing into the eyes, ingestion or vapour inhalation. Please refer to the Material Safety Data Sheet for further information.

Note: The products described on this data sheet are NOT controlled under Canadian WHMIS legislation.

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