



# ATLANTIC GEAR OILS HD PLUS

Extra High Performance Commercial Gear Lubricants

## PRODUCT DATA

### DESCRIPTION

**ATLANTIC GEAR OILS HD PLUS** Oils 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 providing a very high level of protection in all conditions including severe shock loads, preventing wear and maintaining the life of critical parts. They provide excellent chemical and thermal stability at elevated bulk oil temperatures, good performance at low temperatures and have demonstrated good protection against rust resulting from water contamination and wet conditions.

### APPLICATIONS

**ATLANTIC GEAR OILS HD PLUS** Oils are designed for the lubrication of the following 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
- 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

### PRODUCT FEATURES & BENEFITS

- Excellent thermal stability and resistance to high temperature oxidation
- Good protection against low speed/high torque wear and against high speed scoring
- Longer drain intervals by resisting high temperature degradation
- Compatible with typical automotive seals and gaskets
- Excellent rust, staining and corrosion protection
- Effective low temperature lubrication
- Good resistance to foaming
- Maximum protection, anti-shudder additive technology

### RECOMMENDATIONS / SPECIFICATIONS

**API GL-5/MT-1, Scania STO 1:0, SAE J2360, Mack GO-J, MIL-PRF-2105E, L-2105D, GM HN 1181/1386, Chrysler MS-9020, Rockwell O-76A, Clark MS-8, White MS-0016, ZF TE-L05A/05C/07A/08/12C/16/21, Mack GO-J, International B-22, Ford ESW-M2C105-A/197-A, BTR 5M-36**

TYPICAL TECHNICAL PROPERTIES		
SAE Grade	80W-90	85W-140
Product code	12770GO	12771GO
Density at 15°C, g/ml, ASTM D4052	0.895	0.903
Kinematic Viscosity at 40°C, mm <sup>2</sup> /s, ASTM D445	135	396
Kinematic Viscosity at 100°C, mm <sup>2</sup> /s, ASTM D445	15	29
Viscosity Index, ASTM D2270	111	101
Flash Point(COC), °C, ASTM D92	216	230
Pour Point, °C, ASTM D97	-30	-18
Brookfield viscosity at -26 °C, mPas, ASTM D2983	53,800	43,000
Phosphorus, wt%, ASTM 5185	0.03	0.03

**Note:** These characteristics are typical of current production. While future production will conform to Atlantic's specification, variations in these characteristics may occur.



**Packing : 1 | 4 | 5 | 20 | 25 | 200 | 208 L**

ATL/PDS/GO/016/0\*, 10.08.15, Page 1/1  
\* supersedes all previous versions

**Health and Safety:** This lubricant, when used in accordance with our recommendations and for the application for which it is intended, does not constitute any special hazard. A safety data file conforming to the requirements of current EC legislation is available from your local trade consultant.