



## EMIRATES 1 GEAR OILS

### (Extreme Pressure Automotive Transmission Oils – API GL-5)

#### DESCRIPTION

EMIRATES 1 GEAR OILS EP are a range of premium mineral automotive gear oil manufactured with modern extreme pressure additives and friction modifiers, meeting the requirements of API GL-5/6 and MT-1, as well as many other manufacturer specifications. It contains the correct dosage of limited-slip additive eliminating the need for an additional product when used in limited slip differentials. Through their mono-grade and multi-grade viscosity characteristics they meet the requirements of several automotive manufacturers for passenger cars and commercial trucks or buses.

#### APPLICATIONS

EMIRATES 1 GEAR OILS EP are recommended for use in differentials utilizing spiral, bevel, or hypoid gear sets, manual transmissions, power take off units, and final drives found on passenger cars, trucks, and off-highway vehicles used in construction, farm, forestry, and mining operations. Ideally suited to mobile gear applications exposed to extreme loads and high temperatures.

#### Properties

EMIRATES 1 GEAR OILS EP provides a superior level of protection in heavy duty conditions including shock loads, preventing Wear and maintaining the life of critical parts. The multi-purpose formulation allows greater flexibility while minimizing inventory levels, especially for differential applications.

#### Product Benefits

- Anti-shudder additive technology
- Superior thermal stability
- Longer drain intervals
- Compatible with all seal and metal types
- Minimizes inventory
- High safety margin against foaming and corrosion
- Superior protection against scoring & spelling wear
- Maintains cleanliness & reduces abrasive wear
- Very good wear protection, even under severe load conditions.

#### Recommendations / Specifications

API GL-5/GL-6/MT-1/PG-2, MIL-L-2105D, L-PRF-2105E, GM HN 1181/1187/1386/1561, China National GB 13895-1992, Ford ESW-M2C1006-B/1013-A/104-A/105-A/197-A, Mack GO-J PLUS, GO-J, GO-H, GO-G. Meets or exceeds the requirements of vehicle manufacturers such as IVECO, MAN, SCANIA and VOLVO.

#### TYPICAL TECHNICAL PROPERTIES

SAE Grade	90	140	80W90	85W90	85W140
Density at 15°C, g/ml, ASTM D4052	0.90	0.91	0.883	0.885	0.903
Kinematic Viscosity at 100°C, mm <sup>2</sup> /s, ASTM D445	16.5	31.5	17.3	18.6	31.2
Viscosity Index, ASTM D2270	95	95	105	103	98
Flash Point(COC), °C, ASTM D92	240	248	218	218	226
Pour Point, °C, ASTM D97	-9	-9	-27	-21	-18

\*C & B: Clear & Bright

**Note:** The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice. For additional queries, please contact Emirates 1 Technical Service Department.

**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). Safety Data Sheets available on request.

**Available in:** Cartons: 12x 1 L, 24x1 L, 4x5L 6 x 4 L, 6 x 5 L, Pails: 20 L & 25 Drums: 200 L, 208 L