



## **GEAR OIL EP 90**

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

### **DESCRIPTION**

PATROL GEAR OILS EP is 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**

PATROL GEAR OILS EP are designed for use in differentials, both hypoid and limited slip, manual gearboxes, transfer cases and transaxles in passenger cars, light commercials, 4WDs, trucks, construction, earthmoving and agricultural equipment, where this viscosity grade is required.

### **PROPERTIES**

PATROL 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
- Stable sulfur-phosphorous additivation
- High safety margin against foaming and corrosion
- Superior protection against scoring & spalling wear
- Maintains cleanliness & reduces abrasive wear
- Very good wear protection, even under severe load conditions.
- High Extreme-Pressure and anti-wear performance

## RECOMMENDATIONS / SPECIFICATIONS

*(MEETS OR EXCEEDS)*

**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

Meets or exceeds the quality requirements of numerous vehicle manufacturers such as IVECO, MAN, SCANIA and VOLVO for heavy vehicles rear axles and final drive units.

## TYPICAL TECHNICAL PROPERTIES

Density at 15°C, g/ml, ASTM D4052	0.90
Kinematic Viscosity at 40°C, mm²/s, ASTM D445	178.75
Kinematic Viscosity at 100°C, mm²/s, ASTM D445	16.5
Viscosity Index, ASTM D2270	97
Flash Point(COC), °C, ASTM D92	210
Pour Point, °C, ASTM D97	-9

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

**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. This product should not be used for purposes other than its intended use. If disposing off used product, take care to protect the environment.

