



## **GEAR OIL SAE 90**

*(Automotive Transmission Oils – API GL-4)*

### **DESCRIPTION**

PATROL GEAR OILS are a range of extreme-pressure lubricants for the lubrication of loaded gears for which an API GL-4 level of performance is required. It is suitable for all manual transmissions, transaxles, transfer boxes and steering gears in automotive and agricultural equipment where such an oil is recommended.

### **APPLICATIONS**

PATROL GEAR OILS are designed for use in a wide range of gear units with normal bevel or helical gear design including synchronized manual gearboxes, transmissions and axles under moderately severe load and pressure conditions.

It is applicable equally for passenger cars, light and heavy trucks, agricultural and building machinery even for topping up well run-in hypoid transmission units.

### **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-4, MIL-L-2105, MAN 341, MB.235.1 and ZF TE –ML-01,02 and 08

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, mm <sup>2</sup> /s, ASTM D445	200
Kinematic Viscosity at 100°C, mm <sup>2</sup> /s, ASTM D445	17.5
Viscosity Index, ASTM D2270	96
Flash Point(COC), °C, ASTM D92	224
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.

