

## **ENGINE OILS SAE 50**

*(High Performance Mono-grade Engine Oils)*



### **DESCRIPTION**

Patrol Oil SAE 50 – API CI-4/SL is a high-performance monograde engine oil designed to meet the requirements of modern, high-output, turbocharged diesel engines operating under severe service conditions. It offers excellent protection against wear, soot-induced thickening, piston deposits, and high-temperature oxidation. Ideal for engines requiring API CI-4/SL performance in hot climates or where a high viscosity oil is recommended.

### **APPLICATIONS**

Recommended for use in On-road and off-road diesel engines, Heavy-duty trucks, buses, and construction machinery, Diesel engines equipped with EGR (Exhaust Gas Recirculation) systems, Marine diesel engines and stationary power units requiring SAE 50 monograde oil

### **PROPERTIES**

Patrol Oil SAE 50 – API CI-4/SL is a high-performance monograde diesel engine oil formulated to meet demanding requirements for commercial vehicles and off-highway applications operating in hot climates. It delivers excellent protection, engine cleanliness, and thermal stability in severe operating conditions.

### **PRODUCT BENEFITS**

- High thermal and oxidative stability
- Excellent wear protection for engine components
- Effective control of soot, sludge, and piston deposits
- Strong TBN retention for extended drain intervals
- Minimized oil consumption and enhanced engine cleanliness
- Meets performance needs in high-temperature environments

## RECOMMENDATIONS / SPECIFICATIONS

### MEETS OR EXCEEDS

- API CI-4/SL
- Cummins CES 20078
- Mack EO-N Premium Plus
- Volvo VDS-3
- Caterpillar ECF-1 / ECF-2
- ACEA E5 (reference)
- MB 228.3 (recommended use only)

## TYPICAL TECHNICAL PROPERTIES

Density at 15°C, g/ml, ASTM D4052	0.894
Kinematic Viscosity at 40°C, mm²/s, ASTM D445	220
Kinematic Viscosity at 100°C, mm²/s, ASTM D445	18.7
Viscosity Index, ASTM D2270	102
Flash Point (COC), °C, ASTM D92	248
Pour Point, °C, ASTM D97	-9
Total Base Number, mg KOH/g, ASTM D2896	12

### Handling and Storage

Store the product in a cool, dry place away from direct sunlight. Keep containers tightly closed when not in use. Avoid contamination with water or other lubricants. Follow standard safety procedures and refer to the Safety Data Sheet (SDS) for more details.

**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

