

PATROL OIL HDDEO

SAE 50 API CF-4 / SJ



PRODUCT DESCRIPTION

Patrol Oil SAE 50 API CF-4 / SJ is a high-performance monograde engine oil formulated for heavy-duty diesel engines and older gasoline engines operating under severe service conditions. It provides excellent wear protection, piston cleanliness, oxidation resistance, and dependable performance in both diesel and petrol applications.

APPLICATIONS

- Naturally aspirated and turbocharged diesel engines
- Heavy-duty trucks, buses, construction and mining equipment
- Marine auxiliary and stationary diesel engines
- Older gasoline engines where API SJ or earlier is recommended
- Recommended for high-temperature and severe-duty operations

FEATURES & BENEFITS

- Excellent wear protection for critical engine components
- Strong detergency for piston and engine cleanliness
- Good oxidation and thermal stability at elevated temperatures
- Effective control of deposits and sludge formation
- Reliable performance under high-load operating conditions

PERFORMANCE STANDARDS / OEM REFERENCES

- API CF-4 / SJ
- ACEA E2 / E3 (obsolete but applicable to legacy heavy-duty diesel engines)
- Caterpillar TO-2 (legacy diesel equipment)
- Cummins 20071 / 20072 (legacy diesel engines)
- Detroit Diesel 7SE 270 (two-stroke diesel engines)
- MTU Type 1 (older diesel engine requirements)
- Volvo VDS (early generation diesel engines)

TYPICAL PROPERTIES

PROPERTY	METHOD	UNIT	TYPICAL VALUE
SAE Grade	SAE J300	-	50
Kinematic Viscosity @ 40°C	ASTM D445	cSt	190-220
Kinematic Viscosity @ 100°C	ASTM D445	cSt	17.5-19.5
Viscosity Index	ASTM D2270	-	95-105
Flash Point (COC)	ASTM D92	°C	220-240
Pour Point	ASTM D97	°C	-15
Density @ 15°C	ASTM D4052	kg/m ³	880-890
Total Base Number (TBN)	ASTM D2896	mg KOH/g	8-10

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

