

ENGINE OIL SAE 15W40 (High Performance Lubricants for marine engines)



DESCRIPTION

High quality heavy duty marine engine oil. Formulated with special base oils and a modern additive system that provides maximum engine performance and protection in marine diesel engines. 15W-40 engine oil is suitable for use in a variety of marine applications. It covers trunk piston marine engines in fishery business, auxiliary engines, deck-machinery, pleasure boats, lifeboats and small working vessels and ferry like being used in river maintenance.

PRODUCT FEATURES & BENEFITS

- **Ultimate protection and performance** PATROL OIL marine oil is heavy duty marine engine oil formulated with high quality base oils and modern additive technologies to ensure ultimate protection and performance under all operating conditions.
- **Cold start performance** Instant oil flow in very cold temperatures provides easy cold starts and optimal lubrication after ignition.
- **Oxidation control** Formulated with high quality base oils to provide excellent oxidation control at high temperatures.
- **Engine cleanliness** Carefully selected detergency additives have demonstrated to minimize deposits and help to keep the engine clean.
- **Mixed marine applications** PATROL OIL heavy duty marine engine oil use in a wide variety of marine applications, such as small vessels, yachts, fishing boats and pleasure boats, as well as power generators. Wear protection The combination of high quality base oil and modern additive technology has resulted in excellent wear protection in varying operating conditions.

PROFORMANCE LEVEL
(Meets or Exceed)

API: CI-4/SL

TYPICAL TECHNICAL PROPERTIES

SAE grade (viscosity class)	15W40
Density at 15°C, g/ml, ASTM D4052	0.879
Kinematic Viscosity at 40°C, mm ² /s, ASTM D445	113
Kinematic Viscosity at 100°C, mm ² /s, ASTM D445	14.4
Viscosity Index, ASTM D2270	129
Flash Point(COC), °C, ASTM D92	>230
Pour Point, °C, ASTM D97	-36
BN, mg KOH/g, ASTM D2896	12

Note: These characteristics are typically for 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.

