



Ursa[®] Marine 15W-40

Description

Ursa[®] Marine 15W-40 is a high-quality, heavy-duty diesel crankcase lubricant. Manufactured from high-quality base oils and compounded with additives, Ursa Marine 15W-40 provides outstanding lubrication of turbo-charged, high-speed diesel engines under the most severe operating conditions. It contains detergent/dispersant, antioxidation and anti-wear additives. Ursa Marine 15W-40 meets the API service classification CG-4.

Typical Characteristics

SAE Viscosity Grade	15W-40
Code	042983
Base number, mg KOH/g	9.0
Density at 15°C, kg/l	0.89
Flash point, COC, °C	225
Pour point, °C	-27
Sulphated ash, mass %	1.1
Viscosity, kinematic, mm ² /s (cSt)	
at 40°C	102
at 100°C	14.0
Viscosity index	139

Recommended Uses

Ursa Marine 15W-40 is recommended for use in heavy-duty (turbo-charged), high-speed diesel engines operating under very severe conditions where an API CG-4 type oil is required. The SAE 15W-40 grade is especially recommended for emergency equipment onboard seagoing vessels such as lifeboat engines and motor-driven fire pumps and emergency compressors. It meets the U.S. Caterpillar requirements and the European Mercedes Benz 228.1/229.1, MAN 271, MTU Type 1 and Volvo VDS specifications and the ACEA E2-96 (issue 4) requirements. It also meets the D4 performance requirements of the obsolete CCMC specifications. Ursa Marine 15W-40 can be used in engines of manufacturers such as DAF, Scania, Caterpillar, etc. that do not issue approvals, but do require a minimum performance level such as API or ACEA.

Performance Benefits

1. Deposit Control

Eliminates ring and valve sticking. The low ash content of the oil keeps deposits to a minimum in combustion chamber areas and on valve surfaces. The balanced additive combination controls deposits in severe low-temperature, intermittent operation and high-temperature, high load operation. Deposit control protects against ring sticking and results in efficient lubrication.

2. Anti-Wear Properties

An effective anti-wear additive protects highly loaded parts from scuffing and wear during boundary lubrication conditions.

3. Oxidation Stability

Exceptionally resistant to oxidation. The high thermal and oxidation stability prevent the formation of carbon and lacquer deposits.

4. Corrosion Protection

Protects all metal surfaces under the most severe conditions.

5. Long Filter Life

High dispersancy extends the life of oil filters, enabling them to function longer. Oil filters remove non-dispersed abrasive material, effectively preventing excessive engine wear.