



PROTECTOR MCS S50

High Viscosity & Slow Speed Marine Engine Cylinder Oil

PRODUCT DESCRIPTION

PROTECTOR MCS S50 is a high alkalinity cylinder oil blended with high quality base oils and specific combination of modern additive packages for slow-speed crosshead marine diesel engines which are consistently using residual fuels with higher sulphur content. Thanks to the special dispensers in the formulation balanced with cleaner and acidity regulating additives, cylinder liners and piston rings provide superior cleaning in the piston subarea.

ADVANTAGES

- Protects the cylinder parts against corrosion due to its high TBN value.
- Includes alkalinity in the range that can resist the effects of sulphur in the fuel
- Extends the engine maintenance period due to its long service life and optimum protection properties
- Superior thermal and anti-oxidation stability
- Keeps all the motor parts clean although consisted deposit because of heavy fuels

CHARACTERISTIC PROPERTIES

Viscosity Class: SAE 50

Analysis	Unit	Analysis Method	Typical Values
Density, 15°C	g/cm ³	ASTM D 4052	0,9260
Viscosity, 40°C	cSt	ASTM D 445	200,7
Viscosity, 100°C	cSt	ASTM D 445	18,10
Viscosity Index	-	ASTM D 2270	99
Pour Point	°C	ASTM D 97	-18
Flash Point	°C	ASTM D 92	270
TBN	mg KOH/g	ASTM D 2896	60

All the information and figures mentioned above are typical of those obtained with normal production tolerance and verified with quality control test results.

ADDITIONAL INFORMATION

Package

- 180 kg
- IBC
- Bulk

Storage

- Packages should be stored in cool, well-ventilated and covered areas; and their taps should be tightly closed and sealed when not in use.
- Packages should not be exposed to direct sunlight and avoid rapid climatic changes.
- Ambient temperature should not exceed 60 °C.

Health and Safety

Based on the available information, PROTECTOR MCS S50 is not expected to produce adverse effects on health when used for the intended application and aligned with the recommendations provided in the; "Material Safety Data Sheet" (MSDS). MSDS's are available upon request through your sales contact office or representative.

When disposing the used product, physical and chemical properties has to be taken into the consideration, and please follow the regional or national regulations.

ATAK MADENİ YAĞ PAZ. SAN. VE TİC. A.Ş.

Headquarters : Yeşilköy Mah. Atatürk Cad. EGS Business Park B2 Blok Kat: 10 34149 Bakırköy-İstanbul/TURKEY

T: +90 212 463 6060 F: +90 212 465 3855

Production Facility : A.O.S.B. 10032 Sok. No: 13 35620 Çiğli-İzmir/TURKEY T: +90 232 328 3128 F: +90 232 328 3025

www.alpetlubricants.com info@atakoil.com