



MARINE ULTRA

PRODUCT DESCRIPTION:

Marine Ultra is ultimate-performance multigrade diesel engine oil for used in the most severe fishing boats and marine applications. It is specially engineered for protection of modern, high- output, high speed four stroke marine engines including those fitted with turbocharged engines running on low Sulphur diesel or conventional high Sulphur diesel fuel. Highly recommended for all heavy duty marine diesel engine applications, especially continuous long hour services of deep sea fishing boats with Class-C license operating on Cummins, Caterpillar, Volvo, Perkins, Hino, Mitsubishi, Nissan, Daihatsu, Yanmar and other original equipment manufacturers.

APPLICATION:

Highly recommended for use in high-performance marine diesel engine applications especially heavy duty fishing boats for deep-sea and coastal operations. It is also recommended for use in generator sets and other diesel engines applications on shore.

FEATURES & BENEFITS:

- Exceeds all main American, Japanese, and European OEMs and Fishing Industry specifications
- Excellent performance with extended oil drains intervals on high-performance fishing boat engines
- Excellent soot dispersancy to prevent deposits on critical engine mechanism and provide excellent protection from soot induced wear
- Outstanding Reserve Alkalinity maintenance effectively extends drain interval capability
- Outstanding thermal and oxidation stability that minimized low temperature sludge buildUp and high temperature deposits

PERFORMANCE STANDARDS: Meets or Exceeds:

- API CI-4
- ACEA E7/A3/B3/B4
- Global DHD1
- Cummins CES 20077/20078
- Cat ECF-2/ECF- 1a
- DTFR 15B110
- Volvo VDS-3
- MAN 3275
- MTU Type 2
- MACK EO-M Plus

TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	Marine Ultra
SAE Grade			15W-40
Kinematic Viscosity @ 104°F/40°C	ASTM D445	cSt	TBR
Kinematic Viscosity @ 212°F/100°C	ASTM D445	cSt	14.8
Viscosity Index	ASTM D2270	-	95
SP. Gravity @ 60°F	ASTM D4052	g/cm ³	TBR
Flash Point (min)	ASTM D92	°C	220
Pour Point (max)	ASTM D97	°C	-9
TBN	ASTM D2896	Mg KOH/g	10

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further information on Safety Guidelines please refer to MSDS available on our website www.lubrex.net

HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet www.lubrex.net

PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

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