



MARINE TRUNK PISTON ENGINE OIL

BRAVOIL™

Technical Data Sheet

MARINE ULTRA

PRODUCT DESCRIPTION:

MARINE Ultra is an exceptional multi-grade diesel engine oil that offers ultimate performance and is specifically designed for the most demanding marine applications, including fishing boats. This oil is engineered to provide superior protection to modern, high-output, high-speed, four-stroke marine engines, including turbo-charged engines running on either low sulfur diesel or conventional high-sulfur diesel fuel. It is highly recommended for heavy-duty marine diesel engine applications, particularly for continuous long-hour services in deep-sea fishing boats with Class-C license, and is compatible with various original equipment manufacturers such as Cummins, Caterpillar, Volvo, Perkins, Hino, Mitsubishi, Nissan, Daihatsu, Yanmar, among others.

APPLICATION:

MARINE Ultra is not only highly recommended for high-performance marine diesel engines in heavy-duty fishing boats used for deep-sea and coastal operations but also for other applications such as generator sets and diesel engines on shore. Its versatility and superior performance make it suitable for a wide range of marine and land-based diesel engine applications, ensuring optimal protection and performance in demanding operating conditions.

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
- MB 228.3
- 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 (min)	ASTM D2270	-	95
Density @ 60°F	ASTM D4052	g/cm ³	TBR
Flash Point (min)	ASTM D92	°C	220
Pour Point (max)	ASTM D97	°C	-9

DISCLAIMER:

The test data provided is not a final specification; rather, it serves as a guideline and may vary within acceptable production tolerances. Bravoil reserves the right to modify this test data. Any updates will supersede previous versions, so please refer to the most recent Technical Data Sheet (TDS).

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.bravoil.ae

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.bravoil.ae

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.