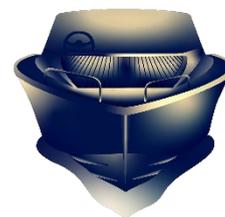


TECHNICAL PRODUCT SHEET

LAVA OUTBOARD 4T



DESCRIPTION

LAVA OUTBOARD 4T is a high-performance 4-stroke outboard engine oil, specifically formulated for marine applications, exceeding the stringent requirements of the National Marine Manufacturers' Association (NMMA) FC-W[®] specification. It provides excellent protection against wear and corrosion in harsh marine environments, offers outstanding resistance to foam formation and viscosity shear, and meets the NMMA HTHS viscosity requirements, ensuring stable lubrication, durability, and reliable engine performance.

APPLICATIONS

LAVA OUTBOARD 4T is recommended for gasoline-fueled, 4-stroke outboard engines and personal watercraft (jet ski) engines from major global OEMs such as Honda, Mercury, Yamaha, Johnson/Evinrude, Suzuki, and Nissan/Tohatsu. It is suitable for applications requiring SAE 10W-40, 15W-40, 25W-40, or straight SAE 40 engine oils, ensuring reliable performance and protection across a wide range of operating conditions.

SPECIFICATIONS

NMMA FC-W

PROPERTIES

LAVA OUTBOARD 4T provides improved protection against piston deposits and ring sticking across a wide range of fuel qualities, while offering enhanced resistance to wear, oxidation, and viscosity shearing. Its boosted anti-corrosion additive system ensures reliable protection of engine components in marine environments, and its excellent low-temperature fluidity promotes rapid lubrication and dependable engine performance during cold starts.

BENEFITS

LAVA OUTBOARD 4T helps extend engine life and maintain consistent performance by protecting against scuffing and bearing wear, providing excellent engine cleanliness, and safeguarding metallic surfaces from corrosion and rust, while offering long-lasting performance over extended hours of engine operation and ensuring easy pumping and reliable injection.



TECHNICAL PRODUCT SHEET

PHYSICAL-CHEMICAL CHARACTERISTICS

LAVA OUTBOARD 4T	METHOD	
Density at 15°C, g/cm ³	ASTM D4052	0.872
Viscosity, Kinematic (cSt) 40°C	ASTM D445	94.7
Viscosity, Kinematic (cSt) 100°C	ASTM D445	14.5
Viscosity index	ASTM D2270	162
Flash point, COC, °C	ASTM D92	>200
Pour point, °C	ASTM D97	-33

The above mentioned characteristics represent mean values.

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

