



PROTECTION | **PERFORMANCE**
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DATA SHEET

25W-40 Synthetic-Blend Marine Engine Oil

Engine performance and reliability are key to maximizing enjoyment of your boat. However, the constant high-rpm operation and exposure to water can cause some oils to break down, leading to reduced performance and potential engine wear. AMSOIL 25W-40 Synthetic-Blend Marine Engine Oil is specifically designed to guard against wear and deliver excellent protection against rust and corrosion in high-stress marine applications.

Protects Against Wear

A typical marine engine operates at about 5,000 rpm to maintain a speed of 30 mph. In contrast, the engine in your car runs at about 2,000 rpm to maintain 60 mph. The increased stress of heavy loads at high rpm can cause automotive oils to break down and lose viscosity when used in marine engines. AMSOIL 25W-40 Synthetic-Blend Marine Engine Oil is specifically designed to provide the required shear stability and consistent lubricating film that helps protect high-stress marine engines.

Excellent Anti-Rust Performance

Rust acts like sandpaper, scouring bearings, cylinder walls, piston rings and other components, while aluminum pistons and other parts can corrode. Marine engines are constantly exposed to wet environments. The damaging effects of rust and corrosion reduce power and performance and can potentially cause catastrophic engine failure. AMSOIL 25W-40 Synthetic Blend Marine Engine Oil is fortified with potent inhibitors that guard against damaging rust and corrosion.

NMMA Certified

AMSOIL 25W-40 Synthetic Blend Marine Engine Oil is certified by the National Marine Manufacturers Association (NMMA) for use in four-stroke outboards, inboards, sterndrives (inboard/outboards) and PWC. This high-quality oil demonstrates outstanding performance and exceeds the NMMA "FC-W" (Four Cycle – Water) specification requirements.

- FC-W (CAT)[®] Registration Number: FC-11825T



- **Excellent** high-stress, high-rpm endurance.
- **Inhibits** rust and corrosion.
- **NMMA FC-W Catalyst Compatible.**

TYPICAL TECHNICAL PROPERTIES

AMSOIL 25W-40 Synthetic Blend Marine Engine Oil

25W-40 (WCM)

Kinematic Viscosity @ 100°C, cSt (ASTM D445)	16.0
Kinematic Viscosity @ 40°C, cSt (ASTM D445)	139.3
Viscosity Index (ASTM D2270)	121
Flash Point, °C (°F) (ASTM D92)	254 (489)
Fire Point, °C (°F) (ASTM D92)	284 (543)
Pour Point, °C (°F) (ASTM D97)	-31 (-24)
NOACK Volatility, % weight loss (g/100g) (ASTM D5800)	3.1
High-Temperature/High-Shear Viscosity @ 150°C, 1.0 x 10 ⁶ s ⁻¹ , cP (ASTM D4683)	4.8
Total Base Number (ASTM D2896)	7.9
Four-Ball Wear Test (ASTM D4172: 40 kg, 150°C, 1800 rpm, 1 hr.), Scar, mm	0.40

APPLICATIONS

Use in gasoline-fueled four-stroke inboards, outboards, inboard/outboards and personal watercraft that require any of the specifications listed below, including those made by Mercury* and Mercruiser.*

- API SN
- JASO MA
- NMMA FC-W Catalyst Compatible

SERVICE LIFE

Four-stroke outboard motors and personal watercraft:

Change oil at the watercraft manufacturer-recommended interval due to potential fuel dilution or water contamination.

Inboard and I/O applications:

Change oil at two times the engine manufacturer-recommended interval, or once a year, whichever comes first.

WARRANTY

AMSOIL 25W-40 Synthetic Blend Marine Engine Oil is a high-performance replacement for vehicle manufacturer-branded products. It is backed by the AMSOIL Limited Warranty and is Warranty Secure,[®] keeping your factory warranty intact. For details, visit [AMSOIL.com/warrantysecure](https://www.amsoil.com/warrantysecure).



HEALTH & SAFETY

This product is not expected to cause health concerns when used for the intended application and according to the recommendations in the Safety Data Sheet (SDS) available at [AMSOIL.com](https://www.amsoil.com) or upon request at (715) 392-7101.

Keep out of reach of children. Recycle used oil and bottle.



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AMSOIL products and Dealership information are available from your local AMSOIL Dealer.