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DATA BULLETIN

25W-40 Synthetic Blend Marine Engine Oil

Engine performance and reliability are key to a successful day fishing or boating. High-rpm operation and constant exposure to water, however, invite engine wear and formation of rust and corrosion, reducing engine performance and life. AMSOIL 25W-40 Synthetic Blend Marine Engine Oil guards against wear while delivering excellent protection against rust and corrosion. It is Warranty Secure® and will not void your marine engine's warranty.



- **Excellent** high-stress, high-rpm endurance
- **Increased** rust and corrosion protection

Protects Against Wear

Marine engines operate under high loads and rpm for extended periods. On average, a marine engine powering a boat 30 mph runs at about 5,000 rpm. In contrast, an automotive engine powering a car 60 mph runs at about 2,000 rpm. Higher stress causes traditional automotive oils to break down and lose viscosity. AMSOIL 25W-40 Synthetic Blend Marine Engine Oil is designed with excellent shear stability to deliver a consistent lubricating film. It helps guard engine components from wear for maximum life.

Excellent Anti-Rust Performance

Marine engines are prone to rust and corrosion due to constant exposure to humid, wet environments. Rust on engine parts acts like sandpaper, scouring bearings, the cylinder wall, piston rings and other components, while aluminum pistons and other parts can corrode. Rust and corrosion reduce engine power and eventually cause catastrophic failure.

Good rust protection is not natural to motor oil; it comes only by design. 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, stern-drives (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

NMMA FC-W® CATALYST COMPATIBLE

Tracker Marine/Bass Pro Shops Photography

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TYPICAL TECHNICAL PROPERTIES

25W-40 Synthetic Blend Marine Engine Oil (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 SM
- NMMA FC-W Catalyst Compatible

SERVICE LIFE

Four-stroke outboard motors and personal watercraft: Due to potential fuel dilution or water contamination, change oil at the engine or watercraft manufacturer-recommended interval.

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 Warranty Secure®, keeping your factory warranty intact. It is a high-performance replacement for vehicle manufacturer-branded products and is also backed by the AMSOIL Limited Warranty (G1363). For details, visit 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). And SDS is available via the Internet at www.amsoil.com or upon request at (715) 392-7101. **Keep Out of Reach of Children.** Recycle used oil and bottle.

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

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