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## 5540 EXTREME MARINE 4-STROKE INBOARD OUTBOARD FULL SYNTHETIC 20W-40

Extreme Marine 4-Stroke Inboard Outboard Full Synthetic 20W-40 is a premium quality, multi-grade full synthetic engine oil that is specially formulated to reduce friction and wear, increase engine efficiency and extend engine life in all types of high performance marine outboard, personal water craft, powerboat, sterndrive and inboard engines. Extreme Marine 4-Stroke Inboard Outboard Full Synthetic 20W-40 is suitable for use in engines that require NMMA FC-W and FC-W (Catalyst Compatible) oils.

Extreme Marine 4-Stroke Inboard Outboard Full Synthetic 20W-40 is formulated with a proprietary blend of synthetic base oils, an advanced performance marine additive package and a highly shear stable viscosity index improver that provides the following performance benefits:

- **PERFORMANCE**
  - Excellent high temperature/high shear performance to provide excellent oil film thickness at high rpms
  - Superior thermal and oxidative stability
  - Superior low volatility characteristics to provide substantially lower oil consumption
  - Balanced corrosion and anti-wear protection.
  - Increased engine life with improved engine durability and reliability
- **DEPOSIT PROTECTION**
  - Excellent deposit control
  - Protection for seasonal use and storage
  - Controlled phosphorus package to protect catalysts found in emission systems
- **WEAR PROTECTION**
  - Excellent film strength - this results in increased protection against wear.
  - Excellent rust and corrosion protection
  - Salt-water corrosion protection
  - Reduced bearing wear and increased bearing life
  - Superior engine protection during extended operation at low speed (trolling)

Extreme Marine 4-Stroke Inboard Outboard Full Synthetic 20W-40, also contains two proven frictional modifiers Micron Moly® and Schaeffer Mfg's own proprietary additive Penetro® . These two proven frictional modifiers once plated, form a long lasting, slippery, tenacious lubricant film, which prevents the metal surfaces from coming into contact with each other. By preventing metal-to-metal contact, damaging frictional wear is reduced which results in reduced wear, increased engine life and lower maintenance costs.

Extreme Marine 4-Stroke Inboard Outboard Full Synthetic 20W-40 meets, exceeds and is suitable for use for the following specifications and manufacturers' requirements: API Service Classification SM; NMMA FC-W and FC-W (Catalyst Compatible).

**TYPICAL PROPERTIES**

SAE Grade	20W-40
Viscosity @ 40°C, cSt (ASTM D445)	105-120
Viscosity @ 100°C, cSt (ASTM D445)	14.5-16.3
Viscosity Index (ASTM D2270)	145
High Temperature/High Shear Viscosity 302°F/150°C, cP (ASTM D4683)	4.39
Cold Cranking Viscosity (ASTM D5293) @ -15°C, cP	2241
Flash Point °F/°C (ASTM D92)	440°/226.6°
Fire Point °F/°C (ASTM D92)	490°/254.4°
Total Base Number (ASTM D2896)	9
Sulfated Ash Content % wt (ASTM D874)	0.98
Four Ball Wear, mm (ASTM D4172)	0.35
Orban Shear Stability (ASTM D6278)	
% Viscosity Loss @ 30 Passes	6.41
NOACK Volatility % Evaporation Loss (ASTM D5800)	6.8