



PRODUCT INFORMATION & DATA SHEET

PRINCE® MARINO SILVER 4T SAE 20W-40

The Magnificent Synthetic Marine 4T Motor Oil.

PRINCE® MARINO SILVER 4T SAE 20W-40 fulfils specific demand from many boat assemblies that require using the viscosity grade of this motor oil. Formulated using high-performance synthetic base stocks combined with suitable additive package, it offers obviously enhanced oxidation resistance, shear-stable as well as corrosion, rust and foam protection for four-stroke gasoline outboard engines operate in varying loads compared to semi-synthetic and mineral blend lubricant on the market.

This motor oil meets the performance standards of following specifications:

API SM, NMMA FC-W

We recommend this product to be use on:

MerCruiser, Suzuki Marine, Tohatsu, Yamaha

Some of the benefits of using this motor oil:

- Anti-clogging and anti-foaming properties designed to protect all oil filters and prevent air bubbles entered into oil circuit system.
- Contains excellent additive and inhibitor package to provide unsurpassed protection against wear, corrosion and rust in humid environment.
- Excellent shear and viscosity stability allow lubricant to 'stay-in-grade' to ensure constant lubrication reliability and longer service life.
- High thermal resistant properties prevent thermal breakdown and additive depletion under high Rpm and heavily-loaded operating conditions.
- Low oil evaporation loss characteristic even under high-load and high burning, thence reduce oil consumption
- Stable aging and oxidation guarantee to minimize oil degradation and maintain engine parts cleanliness by eliminating left-over deposits.

Areas of application

Designed for application in specific four-stroke gasoline outboard engine that the manufacturer called for using the SAE 20W-40 viscosity grade of this lubricant.

However, this motor oil is not recommended to use in inboard and sterndrive engines equipped with modern catalytic converters. Not for application in diesel engines.

Typical properties

<u>SAE Viscosity</u>		<u>20W-40</u>
Viscosity Index (VI)	ASTM D2270	128
Viscosity at 100 °C; mm ² /s	ASTM D445	15.2
Viscosity at 40 °C; mm ² /s	ASTM D445	126.7
Density at 20 °C; kg/m ³	ASTM D4052	871.0
Noack Volatility; % m/m	ASTM D5800	3.8
Flash Point; °C, open cup	ASTM D92	245
Pour Point; °C	ASTM D97	-30
Total Base Number	ASTM D2896	7.8

Service recommendations

Follow the service interval and operating instructions of manufacturers. Can as well be tuned to own use. Recommend to flush before add in new oil. Change oil filter at time of oil change.

Commercially available product compatibility

Our synthetic 4T motor oil is compatible with fully synthetic, semi-synthetic and conventional mineral oils. However, peak performance is guaranteed only upon using alone without mixing with other motor oils.

Product availability

This product may not be available locally. Contact your local distributor.

The information show herein is subject to change without noticed. The product indicated here have been developed by PRINCE LUBRICANTS for use in the areas of applications shown. We reserve all right to alter the characteristics and product properties to align with continually technical development.