



**Product Data Sheet**

## 4-STROKE OUTBOARD OIL 10W-30

**Product Description:**

**4-STROKE OUTBOARD OIL 10W-30** is a premium 4-stroke engine oil specially designed for the most modern high output gasoline power, water cooled outboard / inboard and personal watercraft engines. It is specially developed to exceed the performance requirements of National Marine Manufacturers Association's specification NMMA FC-W® (Four Cycle-Water specification) and various manufacturers like Yamaha, Honda, and Tohatsu/Nissan marine.

**4-STROKE OUTBOARD OIL 10W-30** is based on a high quality hydro processed base oils in combination with a special selected additive package to obtain the following properties:

- Exceptional shear stability.
- Advanced rust inhibitors guard against rust & corrosion even in marine salt water environment.
- Good Low temperature fluidity assists easy cold start.
- Active cleaning agents provide superior engine cleanliness

**4-STROKE OUTBOARD OIL 10W-30** exceeds the following performance criteria:

NMMA FC-W

Properties	Unit	Test Method	Typical Value
SAE Grade		SAE J3000	10W-30
Density@15°C	kg/m <sup>3</sup>	ASTM D4052	869
Kin. Viscosity @40°C	mm <sup>2</sup> /s	ASTM D7042	74
Kin. Viscosity @100°C	mm <sup>2</sup> /s	ASTM D7042	11.9
Viscosity Index		ASTM D2270	156
Viscosity CCS @-25°C, max	cP	ASTM D2270	7000
Flash Point COC	°C	ASTM D92	>201
Pour Point	°C	ASTM D7346	-36
Total Base Number	mgKOH/g	ASTM D2896	7.2

Product Nr: 4328

Date Issued: 08-02-2018

Date Superseded: -

Revision nr: 00