



FP MARINEÖL 2T TC-W3

PRODUCT DESCRIPTION:

FP MARINEÖL 2T TC-W3 is low ash premium performance 2 stroke marine outboard engine oil, prediluted to facilitate easy mixing with fuel across wide temperature ranges. It is formulated with optimum blend of mineral & synthesized base oils and advanced technology ashless additive system, to provide efficient performance in oil injected gasoline pre-mixed water cooled 2 stroke marine outboard engines. It is also suitable for use in naturally aspirated air cooled 2 stroke engines such as lawnmowers, chainsaws, motorcycles and auxiliary equipment.

APPLICATION:

- Suitable for use in modern high-performance, water-cooled, two-stroke engines, as well as, smaller or older outboard engines, where NMMA TC-W, TC-WII or TC-W3 oils are recommended such as Johnson, Mercury, OMC, Evinrude, Mariner, Force, Mercruiser, Yamaha, Suzuki, Nissan and Tohatsu.
- Suitable for use in light to moderate duty, air-cooled two-stroke engines that are used in chain saws, power mowers, leaf blowers and lawn trimmers.

FEATURES & BENEFITS:

- High power output since ashless oil offers piston cleanliness and help maintain engine performance.
- Outstanding oxidation & thermal stability reduces sludge build up and keeps the engine cleaner, resulting in reduced ring sticking, piston tightening and prevention of pre-ignition problems.
- Reduced plug fouling and exhaust port deposits minimizes pre-ignition, extending spark plug and valve life
- Increased fuel efficiency, due to outstanding high and low temperature performance
- Excellent engine protection by providing outstanding protection against wear.

PERFORMANCE LEVELS: Meets or Exceeds:

- NMMA TC-W, TC-WII, TC-W3
- API TC

TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	RESULT
Grade			2T TC-W3
Kinematic Viscosity@ 104°F /40°C	ASTM D7042	cSt	57.86
Kinematic Viscosity@ 212°F /100°C	ASTM D7042	cSt	8.92
Viscosity Index	ASTM D2270	-	132
SP. Gravity @15°C/60°F	ASTM D4052	g/cm ³	0.878
Flash Point	ASTM D92	°C	126
Pour Point	ASTM D97	°C	-36
TBN	ASTM D2896	mg KOH/g	8.5

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point.