

MARINE EXTREME

Marine Two Cycle Injector Oil

General Description

Marine Xtreme is an advanced formulation two stroke engine lubricant that surpasses the TC-W3 test procedures established by the National Marine Manufacturers Association (NMMA) for liquid cooled two stroke engines using oil injection and those using gasoline/oil mixtures.

The NMMA TC-W3 specification documents, in controlled and standardized engine tests, oil performance in many areas concerning engine operation. These tests measure lubricity, deposit control, wear control, compatibility with other registered oils and the ability to readily mix with gasoline.

Marine Xtreme uses an SAE 40 base oil combined with a diluent to insure thorough gasoline/oil mixing. A state-of-the-art ashless additive system prevents engine deposits and provides a high level of protection against scuffing. The advanced additive system used in Marine Xtreme ensures proper lubrication and protection when used at the same gasoline/oil mixing ratio as recommended for the OEM (Original Equipment Manufacturers) branded oil.

Marine Xtreme mixes readily with ethanol blended gasoline and stays mixed indefinitely. It is recommended that engines be tuned for the type of gasoline that is being used.

Features and Benefits

Engine Cleanliness: Advanced ashless additive system keeps the engine clean while operating at moderate to high temperatures.

Wear Prevention: Careful base stock selection provides engine protection under heavy loads and extended operation at full power by preventing scuffing and wear.

Ease of Mixing: Prediluted SAE 40 viscosity oil is easier to mix with gasoline.

Gas-to-Oil Ratio: Advanced formulation allows Marine Xtreme to be used at any gasoline/oil ratio recommended by engine manufacturers, including oil injection systems.

Typical Application

Water cooled and some air cooled two stroke or two cycle gasoline engines.

- Outboard Motors.
- Other engines requiring a TC-W3 certified 2-cycle oil.

Some two stroke engines (especially certain air cooled models) recommend an ash containing detergent formulation such as TC 502 - check the appropriate application.

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Typical Customer

Owners and operators of:

- Boats with two cycle outboard engines
- Marinas
- Marine equipment sales
- Facilities that repair marine equipment

Health & Safety

A complete material safety data sheet is available upon request. Avoid prolonged or repeated skin contact. Wash clothing and exposed areas with soap and water.

Typical Properties

	MARINE EXTREME
Viscosity @ 100°C, cSt	6.9
SUS	48.8
@ 40°C, cSt	41.4
SUS	193
Pour Point, °F	-40
Flash Point, °F	140 minimum
Color	GREEN

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.