



Premium Ashless 2-Cycle Engine Oil

Synthetic Blend TC-W3®

General Description

Premium Ashless 2-Cycle Engine Oil is a synthetic blend made from selected quality base oils, solvents and special ashless dispersant additives.

This advanced formulation is certified and licensed by the NMMA as a TC-W3® oil. It was designed to exceed the performance requirements needed in high performance two-stroke water-cooled and some air-cooled engines requiring API TC.

Premium Ashless 2-Cycle Engine Oil provides the next level of protection in modern high-performance engines by providing outstanding lubricity, controlling cylinder and piston scuffing, reducing bearing wear resulting in longer engine life. In addition, high temperature oxidation control reduces deposits on critical parts minimizes ring sticking, exhaust port blocking, spark plug fouling and pre-ignition all leading to more power. It also provides rust and corrosion protection during service and storage.

Premium Ashless 2-Cycle Engine Oil is designed to meet the high-performance requirements of major outboard engine manufacturers including Mercury, Mariner, BRP (Johnson, Evinrude), Force, U.S. Marine, Yamaha, Suzuki and Nissan.

Features and Benefits

- **Deposit Protection:** reduces ring sticking, carbon build-up in combustion chambers and spark plugs resulting in increased engine efficiency and economy.
- **Wear Prevention:** Carefully selected base stock and additive provides lubricity and film strength under a full range of engine operating conditions protecting against cylinder scuffing and bearing wear resulting in extended engine life.
- **Reduced Smoke:** a unique balance of components produces less smoke to improve environmental concerns and riding comfort.
- **Direct Injection or Pre-mix:** this advanced formulation allows operators to use any gasoline/oil ratio recommended by engine manufacturers. A special solvent allows easy mixing at low temperatures. Contains a blue dye for easy detection.

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Typical Applications

2-cycle water-cooled and air-cooled engines, direct injection or pre-mix, where the manufacturer calls for: NMMA TC-W3, TC-WII™, TC-W™, API TC, JASO FB or ISO EG-B two-cycle ashless engine oil.

Recommended for snowmobiles with power valves. Those that might require the use of full-synthetic oils should follow the manufacturer's recommendation.

Typical Customers

Owners and operators of:

- Outboards, Personal watercraft
- ATVs, Motorcycles
- Mowers, weed trimmers, leaf blowers
- Small engine repair facility
- Marinas

Typical Properties

Tests	Results
API Gravity / lbs./gal.	30.6 / 7.27
Viscosity @ 100°C, cSt	8.1
@ 40°C, cSt	43.9
Viscosity Index	160
Color	Blue
Flash Point, PM °C(°F)	79.5 (176)
Pour Point, °C(°F)	-45 (-49)
Fluidity Brookfield cP@ -25 C° (7500 max)	3,439
Miscibility (Inversion max 99)	48
SAE Fluidity/Miscibility	Exceeds Category 3

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

Health & Safety

A complete safety data sheet is available by calling 1-651-355-8438 or visit cenex.com/sds-library.

TC-W3® is a registered trademark of the National Marine Manufacturer's Association.