



Injex® 2-Cycle TC-W3® Oil

Phillips 66® Injex 2-Cycle TC-W3® Oil is a premium quality, synthetic blend, ashless detergent engine oil specially designed for use in water-cooled and most air-cooled 2-stroke cycle engines. It is formulated to provide protection equivalent to many OEM-branded 2-cycle engine oils. It is TC-W3® certified by the National Marine Manufacturers Association (NMMA), and also meets API TC and JASO FB performance requirements for use in air-cooled 2-stroke cycle engines. It may be used in either direct oil injection or premix engines.

Injex 2-Cycle TC-W3 Oil is formulated to minimize piston ring sticking and exhaust port deposits to maintain good power output in 2-stroke cycle engines. It also protects against piston and cylinder scuffing and helps reduce spark plug fouling and preignition problems. It provides rust and corrosion protection in service and during storage. It is pre-diluted with a high-flash solvent for easy mixing with gasoline at low temperatures for premix applications. The synthetic blend formulation helps reduce exhaust smoke.

Applications

- Outboard marine engines
- Personal watercraft
- Motorcycles, scooters and all-terrain vehicles (ATVs)
- Snowmobiles
- Low-output chain saws
- Lawn-care equipment (mowers, weed trimmers, leaf blowers)

Injex 2-Cycle TC-W3® Oil meets or exceeds the requirements of:

- NMMA TC-W3® (Certification No. RL 26641G), TC-WII® (obsolete), TC-W® (obsolete)
- API Service TC
- JASO FB

Features/Benefits

- Formulated to provide protection equivalent to many OEM-branded 2-cycle oils
- Ashless detergent/dispersant formulation helps minimize engine deposits and preignition
- Minimizes piston ring sticking and helps reduce exhaust port blocking
- Protects against piston and cylinder scuffing

**Premium Ashless
Engine Oil For
2-Stroke Cycle
Engines, NMMA
TC-W3® Certified**

Contact Information

**U.S. Customer
Service:
1-800-822-6457**

**Technical Support:
1-800-766-0050**

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- Excellent lubricity for use in high-output outboard engines
- Reduces spark plug fouling
- Excellent rust and corrosion protection
- Keeps engine parts clean
- Mixes easily with gasoline at low temperatures for premix applications
- Dyed for easy visibility when mixed with gasoline
- Suitable for either direct oil injection or premix engines⁽¹⁾

⁽¹⁾ **Note:** For premix engines, always follow the manufacturer's recommendation for choosing the proper fuel-to-oil mixing ratio.

Injex® 2-Cycle TC-W3® Oil

Typical Properties

Specific Gravity @ 60°F	0.877
Density, lbs/gal @ 60°F	7.31
Color, Visual	Purple
Flash Point (COC), °C (°F)	120 (248)
Flash Point (PMCC), °C (°F)	96 (205)
Pour Point, °C (°F)	-48 (-54)
Viscosity, Kinematic	
cSt @ 40°C	57.9
cSt @ 100°C	9.3
Viscosity Index	142
Sulfated Ash, ASTM D874, wt %	Nil

Health and Safety Information

For recommendations on safe handling and use of this product, please refer to the Material Safety Data Sheet via <http://w3.conocophillips.com/NetMSDS>.

Typical properties are average values only and do not constitute a specification. Minor variations that do not affect product performance are to be expected during normal manufacture, and at different blending locations. Product formulations are subject to change without notification.

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