



## Synjex® 2-Cycle Motor Oil

Phillips 66® Synjex 2-Cycle Motor Oil is a premium quality, full-synthetic, ashless engine oil designed for use in high-performance water-cooled 2-stroke cycle engines, and in most air-cooled 2-stroke cycle engines. It is particularly recommended for use in equipment operating at very low ambient temperatures. 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.

Synjex 2-Cycle Motor 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 base oil provides outstanding low-temperature performance.

Synjex 2-Cycle Motor Oil is environmentally friendly. It has low aquatic toxicity and passes the Modified Sturm Test for biodegradability.

### **Applications**

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

Synjex 2-Cycle Motor Oil is licensed under the following industry specification:

- NMMA TC-W3® (Certification No. RL 34201E)

Synjex 2-Cycle Motor Oil meets or exceeds the requirements of:

- API Service TC
- JASO FB
- NMMA TC-WII®, TC-W® (obsolete specifications)

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

### **CONTACT INFORMATION**

**Phillips66  
Lubricants.com**

U.S. Customer  
Service:  
**1-800-368-7128**

Technical Hotline:  
**1-877-445-9198**

International  
Customer Service:  
**1-832-765-2500**

E-mail address:  
**phillips66lubricants@  
p66.com**



## Features/Benefits

- 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
- Excellent lubricity for use in high-output outboard engines
- Reduces spark plug fouling
- Excellent rust and corrosion protection
- Outstanding low-temperature performance
- Keeps engine parts clean
- Readily biodegradable
- Low aquatic toxicity
- 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<sup>(1)</sup>

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

## Synjex® 2-Cycle Motor Oil

### Typical Properties

Specific Gravity @ 60°F	0.961
Density, lbs/gal @ 60°F	8.00
Color, Visual	Purple
Flash Point (COC), °C (°F)	140 (284)
Flash Point (PMCC), °C (°F)	114 (237)
Pour Point, °C (°F)	-42 (-44)
Viscosity, Kinematic	
cSt @ 40°C	44.6
cSt @ 100°C	7.9
Viscosity Index	149
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://w3apps.phillips66.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.

© 2012 Phillips 66 Company. Phillips 66 and its respective logos and products are trademarks of Phillips 66 Company in the U.S.A. and other countries.