



NATIONAL™ 2 CYCLE ENGINE TC-W3 | Specialty Oils and Fluids

Product Description

NATIONAL TC-W3® ENGINE OIL is a high performance, ashless two-cycle motor oil for water cooled and air cooled engines. It is designed for use in both premix and injected systems¹.

Industry and OEM Specifications

- NMMA® TC-W3® licensed (RL-13872W)
- Meets JASO FB

Applications

NATIONAL TC-W3® ENGINE OIL meets the warranty requirements for water cooled two-cycle engines manufactured by Chrysler, Evinrude, Force, Johnson, Mariner, Mercury, OMC, Suzuki and Yamaha.

NATIONAL TC-W3® ENGINE OIL is recommended for motorcycles, lawn mowers, snowmobiles, snow blowers, chain saws, golf carts and other air cooled two-cycle engines requiring JASO FB.

Features

- Advanced ashless technology to protect two cycle engines against varnish and sludge keeping engines exceptionally clean
- Long spark plug life
- Excellent low temperature properties
- It is dyed blue for easy identification
- Easy mixing and stable mixtures with gasoline (table below)

The product described above is designed for a specific use and may not be valid for other uses not specified in our specification sheet or in applications not requiring this specific product. Pinnacle Oil believes the information presented in this specification is accurate at the time written and is based upon internally generated information and information as presented by its vendors. No representation, warranty, or guarantee is made as to its accuracy or completeness. We do not accept any liability for any loss or damage that may occur from the use of this information.



NATIONAL™ 2 CYCLE ENGINE TC-W3 | Specialty Oils and Fluids

Technical Data

(typical values)

ASTM		
Product Number		07-705050
NMMA® License Number		RL-13872W
SDS Number		S018
Viscosity @ 100°C, cSt	D445	7.46
Viscosity @ 40°C, cSt	D445	42.23
Viscosity Index	D2770	151
Specific Gravity @ 60°F	D4052	0.8619
Pour Point, °C	D5950	-48
Flash Point (PM Closed Cup), °C	D93	98
Nitrogen, %w	D4629	0.35
Sulfur, %w	D2622	0.45
Color	Visual	Blue
Brookfield Viscosity, cP	D2983	28,000 (-40°C) 4,300 (-25°C)

Ratio desired	16: 1	24: 1	32: 1	40: 1	50: 1
Oil/ 1USG gasoline	8.0 oz.	5.3 oz.	4.0 oz.	3.2 oz.	2.6 oz.

1. Consult your owner's manual regarding its suitability for use in equipment from other OEMs. This fluid performs in most equipment without concern for fluid-related harm

The recommended shelf life for these oils is typically 36 months from manufacturing date when stored properly in the original sealed containers.

TC-W3 is a registered trademark of  National Marine Manufacturers Association

The product described above is designed for a specific use and may not be valid for other uses not specified in our specification sheet or in applications not requiring this specific product. Pinnacle Oil believes the information presented in this specification is accurate at the time written and is based upon internally generated information and information as presented by its vendors. No representation, warranty, or guarantee is made as to its accuracy or completeness. We do not accept any liability for any loss or damage that may occur from the use of this information.



Pinnacle Oil Toll Free: 1-800-829-8899 | Tel: 1-317-875-9465 |

www.PinnacleOil.com