

Product Information

Premium Outboard Two-Cycle Engine Oil

NMMA Approval Number RL-00461L

State of the Art 2-Cycle Outboard Engine Oil

Manufactured to NMMA TC-W3 and API TC Performance Levels

Designed for Ultimate Protection in Water Cooled 2T Outboards

DESCRIPTION

Gard[®] Synthetic Blend 2-Cycle Outboard Engine Oil is designed to give the ultimate in engine protection for all water cooled 2-cycle outboard engines. **Gard[®] Synthetic Engine Oils** are blended with state-of-the-art additive technology and synthetic and conventional base stocks to provide exceptional engine protection in outboard engines operating under both normal and severe conditions.

Gard[®] Synthetic Blend 2-Cycle Outboard Engine Oil offers exceptional levels of detergency to keep rings free from carbon deposits for extended levels of engine performance for all 2-cycle outboard engines where TC-W, TC-WII or TC-W3 engine oils are recommended. **Syngard[™] Outboard Engine Oil** can also be used in all 2-cycle motorcycles, snow mobiles and all air cooled engines where ashless TC-W3 oils are recommended.

Gard[®] Synthetic Blend 2-Cycle Outboard Engine Oil offers very low levels of smoke emissions due to the use of specially selected clean burning base stocks. Designed for use in both pre-mix and oil injection systems.

Gard[®] Synthetic Blend 2-Cycle Outboard Engine Oil is packaged in sizes designed for easy mixing at 50:1 fuel/oil ratios, but may be mixed at other ratios per manufacturer's recommendations. **Gard[™]** may be used with current ethanol fuel blends up to 15%. Engine manufacturer's should be consulted for higher ethanol ratios such as E-85 Flex Fuel.

APPLICATION

- High performance 2-cycle outboard engines of all sizes.
- Snowmobiles where tc-w3 oils are recommended
- Aircooled 2-cycle engines where api tc oils are recommended

BENEFITS

- Outstanding engine protection under severe operating conditions
- Outstanding engine cleanliness to promote full power for extended periods
- Outstanding results in reducing visible smoke and particle emissions
- Meets or exceeds highest international and U.S. 2-cycle outboard engine performance ratings
- Approved for use with most ethanol blended fuels

PERFORMANCE LEVELS

API

API TC

NMMA

TC-W3 #RL-00461L



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Product Information

TYPICAL PROPERTIES	Method	TC-W3
Specific Gravity at 15°C	D 1298	0.8697
Viscosity, cSt at 40°C	D 445	43.8
Viscosity, cSt at 100°C	D 445	7.7
Viscosity Index	D 2270	144
Neutralization Number, TBN	D 2896	5.2
Pour Point, °C	D 97	-30
Flash Point, °C	D 92	118
Color	Report	Blue Green

TC-W3 TWO CYCLE ENGINE OIL

The mixing chart below is a guide for correct fuel-blend ratios as recommended by engine manufacturers.

Ounces of oil to add:

Gallons of Gasoline	1	2	3	4	5	6
16:1 Ratio	8	16	24	32	40	48
24:1 Ratio	5	11	16	21	27	32
32:1 Ratio	4	8	12	16	20	24
50:1 Ratio	3	5	8	11	13	16
100:1 Ratio	2	3	4	6	7	8

The information on this Product Data Sheet is believed to be accurate and is typical of current production. Specifications are subject to change without notice.

Health And Safety Information See separate Material Safety Data Sheets available on request.



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