



**TWO-CYCLE
OUTBOARD ENGINE OIL**

NMMA Approval Number RL-122083D
Ultimate Protection in Water-Cooled 2T Outboards



REV: 04.16.2025



DESCRIPTION

Gard™ Premium Outboard TC-W3 Engine Oil is designed to give the ultimate in engine protection for water-cooled 2-cycle outboard engines. Gard Engine Oils are blended with state-of-the-art additive technology and conventional base stocks to provide exceptional engine protection in outboard engines operating under both normal and severe conditions. Gard 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. Gard can also be used in all 2-cycle motorcycles, snow mobiles, and all air-cooled engines where ashless TC-W3 oils are recommended. Gard 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. This product 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. It may be used with current ethanol fuel blends up to 15%. Engine manufacturer's should be consulted for higher ethanol ratios.

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
- ❑ Approved for use with most ethanol blended fuels

APPLICATION

- High performance 2-cycle outboard engines of all sizes.
- Snowmobiles where TC-W3 oils are recommended
- Air cooled 2-cycle engines where API TC oils are recommended

PERFORMANCE LEVELS

- API: API TC
- NMMA: TC-W3 #RL-122083D

TYPICAL PROPERTIES	METHOD	TC-W3 Engine Oil
Color	Report	Blue
API Gravity	D-4052	32.0
Specific Gravity @15.6°C	D-1298	0.865
Viscosity, cSt at 40°C	D-445	49.1
Viscosity, cSt at 100°C	D-445	8.2
Viscosity Index	D-2270	140
Flash Point, COC °C (°F)	D-92	85 (185)
Pour Point, °C (°F)	D-97	-40 (-40)
ML Reference No.		567947

MIXING CHART

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



NOTE:

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. This engine oil's service level is in accordance with the latest version of SAE J300 Engine Oil Viscosity Classification.

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

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