

Product Information



Premium Two-Cycle TC-W3 Engine Oil

NMMA Approval Number RL-99050M

Manufactured to NMMA TC-W3 and API TC Performance Levels

State of the Art 2-Cycle Outboard Engine Oil

Designed for Ultimate Protection in Water Cooled 2T Outboards

DESCRIPTION

Syngard™ Premium Outboard Engine TCW3 is designed to give the ultimate in engine protection for all water cooled 2-cycle outboard engines. **Syngard™ 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.

Syngard™ Premium Outboard Engine TCW3 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.

Syngard™ Premium Outboard Engine TCW3 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.

G Syngard™ Premium Outboard Engine TCW3 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.



MARTIN LUBRICANTS, A Division of Martin Operating Partnership L.P.
SMACKOVER, AR 71762 ■ USA ■ PHONE 800 864-6275 ■ www.martinlubricants.com

Product Information

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
-

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-99050M

TYPICAL PROPERTIES

Method

TC-W3 Engine Oil

API Gravity	D-4052	33.9
Specific Gravity at 15°C	D-1298	0.8555
Viscosity, cSt at 40°C	D-445	40.2
Viscosity, cSt at 100°C	D-445	7.7
Viscosity Index	D-2270	164
Flash Point, COC °C (°F)	D-92	120 (248)
Pour Point, °C (°F)	D-97	-30 (-22)
Color, Observed	Report	Blue Green
ML Bulk Number		567947



MARTIN LUBRICANTS, A Division of Martin Operating Partnership L.P.
SMACKOVER, AR 71762 ■ USA ■ PHONE 800 864-6275 ■ www.martinlubricants.com

Product Information

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.

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.

Gard™ and **Martin Lubricants™** are trademarks of Martin Lubricants. All other marks are property of their respective owners.



MARTIN LUBRICANTS, A Division of Martin Operating Partnership L.P.
SMACKOVER, AR 71762 ■ USA ■ PHONE 800 864-6275 ■ www.martinlubricants.com