



Two-Cycle and Four-Cycle Engine Oils

Outboard & 2-Cycle TC-W3 RL - Synthetic Blend Super 2T Motorcycle Oil - Universal Outboard & 2-cycle
Universal 2T Motorcycle - X-treme 4T SG Motorcycle- X-treme 4T Plus SM Motorcycle

(1/25/2011 edition)

Value Tech Outboard & 2-Cycle Oil TC-W3[®] RL engine oil provides the highest level of protection for high performance, high horsepower, two cycle marine engines. This oil is certified NMMA (BIA) and it is formulated to combat wear, scuffing and deposits. It is truly a high-temperature oxidation resistant oil which protects against corrosion, ensures cleanliness, and provides lubricity for long engine life. This is an ash-less formulation that prevents carbon deposit build-up on engine parts, and protects against ring sticking. It is certified RL which means it has high film strength for improved lubricity that results in increased engine efficiency, reduced bearing wear and cleaner emissions with less smoke. Outboard & 2-Cycle TC-W 3[®] RL oil is recommended for all water cooled two cycle engines, including Mercury, OMC Johnson/Evinrude, Yamaha, Honda, Kawasaki and many other engines requiring NMMA TC-W 3, TC-W 2, or TC-W type oils. These oils may be used in other air-cooled and water-cooled applications, such as snowmobiles, personal water craft, jet skis, lawn mowers, snow blowers, all-terrain vehicles and others requiring API service category TC.

Value Tech Synthetic Blend Super 2T Motorcycle Oil is a synthetic blend lubricant formulated for high performance air-cooled 2-cycle motorcycles and smaller four-cycle engines. It is truly a high-temperature oxidation resistant oil which protects against corrosion, ensures cleanliness, and provides lubricity for long engine life. This is a low ash formulation that prevents carbon deposit build-up on engine parts, and protects against ring sticking. This oil is formulated with high-temperature performance chemistry and special smoke reducing components to give you the ultimate in engine protection and environmental performance. These oils may be used in other air-cooled applications, such as snowmobiles, lawn mowers, string trimmers, air-blowers, snow blowers, all-terrain vehicles and many others requiring API service category TC, ISO-L-EGC, EGD and JASO FC, FD.

Value Tech Universal Outboard & 2-Cycle Engine Oils are designed for every 2-cycle engine application and for every budget. They may be used in either pre-mix or mix-on-demand VRO oil delivery systems. Value Tech Universal Outboard & 2-Cycle engine oils deliver excellent service up to a 100:1 fuel-to-oil ratio for individual engines. These oils may also be used where SAE 30 or 40 oils are recommended. Always consult the owner's manual for the recommended engine oil type and for the specific fuel-to-oil mix ratios.

Value Tech Universal 2T Motorcycle Oil is a general-purpose lubricant designed for air-cooled, two-cycle engines where Value Tech Synthetic Blend performance is not required. It is formulated with premium base stocks for motorcycles and higher-temperature applications such as chain saws, weed-cutters, string trimmers, air-blowers, lawn mowers, snow blowers, and small generators. Value Tech Universal 2T Motorcycle Oil mixes easily with gasoline and should be used in a fuel to oil ratio specified by the equipment manufacturer.

Value Tech X-treme 4T and 4T Plus Motorcycle Oil * is designed to provide wear protection, sludge and varnish protection, and thermal stability for superior performance in four-cycle motorcycle applications. Blended with high-quality base stocks and performance chemistry, the Value Tech 4T is formulated for superior operation in high-revving, high-temperature motorcycle engines and is blended to give superior performance in those engines and transmissions that have a common sump and require specialized frictional characteristics for clutches and wet brakes. Available in SAE 10W40, meets or exceeds API SG and JASO MA, and SAE 15W40 & 20W50 API SN and Jaso MA.



* Value Tech recommends Value Tech Synthetic Blend 20W50 for Harley-Davidson Motorcycles.

Some performance levels are limited by viscosity grades. Please consult the Value Tech Performance Application Chart, the Value Tech Inspection Data Table for the appropriate Value Tech product or contact your Value Tech District Manager for more complete information and recommendations.

TYPICAL INSPECTION DATA

	API Gravity	Flash Point °C.	Viscosity cSt @100C	Viscosity cSt @40C	VI	Pour Point, °C.	% Weight ASH	VISUAL COLOR
Pro Two-Cycle TC-W3 RL	29.2	190	7.20	42.8	135	-39	0	BLUE-GREEN
Universal Outboard & 2-Cycle	27.8	200	7.5	-	-	-	-	RED
Synthetic Blend 2T	30.9	190	7.00	42.0	132	-39	0.08	RED
Universal 2T Motorcycle	25.0	190	10.00	103.0	91	-9	0	RED
X-treme 4T SG MC 10W-40	28.0	200	13.50	92.0	147	-36	0.6	N/A
X-treme 4T Plus SN MC 15W40	29.0	215	14.50	100	149	-30	0.8	N/A
X-treme 4T Plus SN MC 20W50	28.0	220	18.0	160	125	-27	0.8	N/A

PERFORMANCE APPLICATION CHART

SPECIFICATIONS	Pro Two-Cycle TC-W 3 [®] RL	Synthetic Blend Super 2T	Universal Outboard & 2-Cycle	Universal 2T Motorcycle	X-treme 4T SG Motorcycle****	X-treme 4T Plus SN Motorcycle
TC-W 3 [®] RL (NMMA)	√	-	-	-	-	-
API:						
TA*	√	√	√	√	-	-
TB*	√	√	-	-	-	-
TC	√	√	-	-	-	-
SG	-	-	-	-	√	√
SN	-	-	-	-	-	√
JASO:						
FA*	√	√	-	-	-	-
FB	√	√	-	-	-	-
FC	**	√	-	-	-	-
FD	***	***	-	-	-	-
JASO 4T:						
MA	-	-	-	-	√	√
ISO-L:						
EGB	√	√	-	-	-	-
EGC	**	√	-	-	-	-
EGD	***	***	-	-	-	-

* API TA, TB, and Jaso FA are obsolete specs, however where checked the oils meet the requirements.

** meets all specifications for FC and EGC except port blocking.

*** Suitable for use for FD and EGD requirements.

**** Value Tech recommends Value Tech Synthetic Blend 20W50 for Harley-Davidson