



### RAVE X-TREM RACING SERIES

#### PRODUCT DESCRIPTION:

Rave X-Trem is a premium quality fully synthetic engine oil blended from a unique combination of severely hydro-finished polyalphaolefin (PAO) base fluids and a highly stable ester to reduce friction and wear, increase engine efficiency and extend engine life in all types of gasoline engines and light diesel-powered passenger cars including those that are naturally aspirated, turbo-charged or super-charged. The unique synthetic formula ensures outstanding oil film resistance at very high temperature, for maximum horsepower and torque output. Rave X-Trem contains extra zinc to protect engines with flat tappet cams and possesses outstanding thermal stability in the most demanding driving conditions.

#### APPLICATION:

Rave X-Trem is suitable for use in 4, 6 & 8+ cylinder, multi cam, multi-valve including VVT, naturally aspirated, super-charged & turbo-charged engines operating on a wide range of engine rpm. It is recommended for high performance competition vehicles running in circuit & drag racing, rallying, drifting, hill climb and targa. It is also suitable for use in four-stroke motorcycles with wet clutches and meets JASO MA. It is NOT suitable for use in diesel engines fitted with a DPF (Diesel Particulate Filter).

#### FEATURES & BENEFITS:

- Special anti-wear additive package for ultimate wear protection.
- Excellent cold cranking and oil pumpability at low temperatures.
- Enhanced film strength and shear stability at high operating temperatures.
- Excellent defoaming properties for better lubrication.
- Superior detergency and dispersency to control the formation of deposits, sludge and varnish.

#### PERFORMANCE LEVELS / MEETS OR EXCEEDS:

SAE GRADES	5W-50	10W-60
API	SN/CF	SN/CF
ACEA	A3/B4	A3/B4
MB	229.1/ 229.3	229.1/229.3
PORSCHE	A40	A40

#### TYPICAL PROPERTIES:

PARAMETERS	ASTM	UNIT	RAVE X-TREM	
			5W-50	10W-60
KV@104°F /40°C	D7042	cSt	TBR	TBR
KV@212°F /100°C	D7042	cSt	19.5	24.1
Viscosity Index (min)	D2270	-	170	145
Density@15°C	D4052	g/cm <sup>3</sup>	TBR	TBR
Flash Point (min)	D92	°C	220	220
Pour Point (max)	D97	°C	-39	-36
TBN	D2896	mg KOH/g	10	10
CCS	D5293	m.Pa.S	<6600 (-30°C)	<7000 (-25°C)

**DISCLAIMER:** The test data provided above is not a specification but is indicative and may vary within permissible production tolerances. Lubrex reserves the right to modify this test data. Updated information will supersede previous versions, so please refer to the latest version of this Technical Data Sheet (TDS).

#### HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website [www.lubrex.net](http://www.lubrex.net)

#### HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet [www.lubrex.net](http://www.lubrex.net)

#### PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.

#### STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.

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