

# CHALLENGER SUPER BIKE RACING

SAE 10W-50 / 10W-60

## Product Description

CHALLENGER SUPER BIKE RACING is a ultimate full synthetic competition-proven motorcycle oil formulated from ESTER TECH technology to minimize engine internal friction, High Film Strength technology (HFS) to deliver outstanding engine protection and TRIPLE ACTION FORMULA to optimum clutch locked up performance and gear shifting. Designed for extreme performance sport and big bikes 4-stroke motorcycles especially for racing and touring purpose. It maximizes power and acceleration response, prevents anti-clutch slippage and smooth gear shifting.

## Benefits

- ESTER TECH technology significantly reduces the engine internal friction; consequently, maximum torque and power output are unleashed.
- With High Film Strength base and ultra film strength booster, it maximize engine protection even in most extreme race.
- Offers excellent high-temperature oxidation stability ensuring oil degradation prevention under severe condition.
- TRIPLE ACTION FORMULA optimizes friction control for both clutch locked up performance and smooth gear shifting.
- Field proven with racing motorcycle in various racing series.

## Applications

- Designed for modified racing engine in all motorsport such as road racing, drag racing/ sprints track racing etc.
- Recommended for extreme performance modern sport and big bikes 4-stroke motorcycles especially for racing and touring purpose.

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## Typical Characteristics

Tests	Methods	Units	Results	
			10W-50	10W-60
Density at 15 °C	ASTM D 4052	g/cm <sup>3</sup>	0.8532	0.8551
Kinematic Viscosity at 40 °C	ASTM D 445	mm <sup>2</sup> /s	119.0	159.0
Kinematic Viscosity at 100 °C	ASTM D 445	mm <sup>2</sup> /s	18.7	22.7
Viscosity Index	ASTM D 2270		175	175
MRV at -30 °C	ASTM D 4684	mPa·s	14,400	22,900
Cold-cranking Simulator at -25 °C	ASTM D 5293	mPa·s	3,730	6,140
Flash Point (COC)	ASTM D 92	°C	260	260
Pour Point	ASTM D 97	°C	-48	-45

## Performance Standards

- JASO MA2
- API SN

## Health and Safety

This product shows no significant health or safety hazard when used under the recommended applications and suitable handling.

Avoid the direct contact. Wash immediately after contact. Health and safety information is available on the Safety Data Sheet (SDS) which can be obtained from <http://pttlubricants.pttplc.com>

**PTT LUBE SOLUTIONS** Professional Lubricant Service Partner



The product can cause some skin irritation and has flash point higher than 93.4°C

Note: Data and information contained in this publication are based on standard test under laboratory conditions and/or performance test. To consider the use of PTTOR Lubricants' products in particular application, customer is responsible for determining whether product and information are appropriate for customer conditions or should consult with PTTOR Lubricants' technical service division. The procedure of using any lubricant may differ or change depended on different machines and their manuals. Therefore, we recommend to read, understand and review the latest SDS in order to ensure the use of product is accomplished safety.

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