

# CHALLENGER SYNTHETIC 4T

SAE 10W-40 / 15W-50

## Product Description

CHALLENGER SYNTHETIC 4T is a fully synthetic high-performance 4-stroke motorcycle oil formulated from High Film Strength technology (HFS) to maximize engine protection under high speed (rpm) and high temperature condition and TRIPLE ACTION FORMULA to enhance friction control for clutch system. It is designed for high performance 4-stroke motorcycles. It delivers outstanding engine protection along with smooth gear shifting.

## Benefits

- With HFS technology, it delivers superior oil film strength for engine protection under high speed and high temperature condition.
- TRIPLE ACTION FORMULA optimizes friction control for clutch locked-up performance and smooth gear shifting.
- Offers excellent engine cleanliness controlling of ring and piston deposit.
- Offers superior thermal and oxidation stability.
- Extends engine life and oil drain interval.

## Applications

- Designed for high performance water-cooled and air-cooled engine of modern 4-stroke motorcycles such as sports types, big bikes and choppers.
- Recommended for both fuel injection and carburetor technology.
- Suitable for gearboxes in 2-stroke motorcycles.
- Note: Recommended viscosity grade SAE 15W-50 for continuous high-speed riding especially for air-cooled motorcycles.

*The Moving Innovation* 

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## Typical Characteristics

Tests	Methods	Units	Results	
			10W-40	15W-50
Density at 15 °C	ASTM D4052	g/cm <sup>3</sup>	0.850	0.850
Kinematic Viscosity at 40 °C	ASTM D445	mm <sup>2</sup> /s	96.4	121
Kinematic Viscosity at 100 °C	ASTM D445	mm <sup>2</sup> /s	14.8	18.4
Viscosity Index	ASTM D2270		161	170
Cold-cranking Simulator at -25 °C	ASTM D5293	mPa.s	4,880	-
Cold-cranking Simulator at -20 °C	ASTM D5293	mPa.s	-	3,307
Flash Point (COC)	ASTM D92	°C	252	252
Pour Point	ASTM D5950	°C	-36	-33

## 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.pttor.com>

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.