



# RACER PRO 4T ESTER-BASED FULLY SYN MOTORCYCLE OIL



Fortified With  
**C60 Fullerenes**  
Technology

## **BARDAHL RACER PRO 4T ESTER-BASED FULLY SYNTHETIC MOTORCYCLE OIL** – SAE 15W-50 (API SP/JASO MA2)

### **PRODUCT DESCRIPTION**

Racing Performance Lubricants, Bardahl Racer Pro 4T Ester-Based Fully Synthetic Motorcycle Oils, is developed for the most demanding users for both sporting and non-sporting applications and formulated for most 4-stroke Racing, Sport-Tourer and Off-Road motorcycle engines with integrated or separate gear box, or with wet or dry clutch. Containing the exclusive Bardahl Technologies, premium base oils as well as advanced formulation solutions, this ester-based fully synthetic motorcycle oil offers the best performance in all driving conditions and in any types of engines, achieving superior performance in terms of resistance to thermal decay, fluidity at low temperatures and fast lubrication to maximise engine protection under the most stressful circumstances.

### **Bardahl Fullerenes Technology**

Normal engine oils, anti-wear and anti-friction additives form a single layer of protection that can be broken under high load and high stress applications. Bardahl Fullerenes Technology offers added layer of protection to shield engine components against friction and wear. It uses Bardahl Fullerene molecules to create an extra protective layer of hard particles on engine surfaces and prevent direct surface-to-surface contact. Being spherical in shape, Bardahl Fullerene molecules act as nano ball bearings, allowing surfaces to glide over one another with minimal friction and wear.

### **MCO Tailored Chemistry System**

The innovative 4-stroke motorcycle engines specific additive formulation maximises engine, transmission and clutch efficiency while providing total protection to all lubricated parts. With balanced friction level provided, this unique formulation allows durability of clutch and ensures correct transfer of motion from the engine to the gearbox.

### **Advantages**

#### **Superior Engine Durability**

- Robust dispersant gives better oil flow and results in more efficient engine cooling.
- Performance additives blended offer maximum durability, high shear stability and improve piston cleanliness due to lower polymer treat rates.
- High shear stability ensures maximum safeguard in consistent engine performance while allowing superb energy efficiency.

#### **Unique Componentry**

- Anti Wear (ZDDP) lowers boundary friction and enables catalyst compatibility.
- Molybdenum Trimer based Friction Modifier enhances fuel economy performance.
- Thermal dispersant offers excellent sludge control for extended engine service life.

#### **Excellent Performance**

- Designed for optimised oxidation, deposit varnish control along with excellent train wear and bearing corrosion protection.
- Meets the Phosphorous limit of JASO T903:2023 specification.
- Meets the performance requirements of all major Japanese and European motorcycle manufacturers.

Issue Date: 23/09/2024

**Bardahl reserves the right to modify or change this product with the purpose of improving its performance characteristics**



# RACER FULLY SYN 4T-P MOTORCYCLE OIL



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## Performance Standards

API SP
JASO MA2

## Applications

- For most 4-stroke motorcycle engines, with integrated or separate gearbox, with wet or dry clutch.

## Typical Properties

### SAE GRADE 15W-50

Property	Unit	Test Method	Specifications		
			Min	Typical	Max
Colour	-	ASTM D 1500		L2.0	
Density@15°C	kg/L	ASTM D 4052		0.870	
Kinematic Viscosity@40°C	cSt	ASTM D 445		107.55	
Kinematic Viscosity@100°C	cSt	ASTM D 445	18.0	19.34	19.5
Viscosity Index	-	ASTM D 2270		202	
CCS@-20°C	cP	ASTM D 5293		3,285	7,000
HTHS@150°C	mPa.s	ASTM D 5481		≥3.5	
Total Base No.	mg KOH/g	ASTM D 2896		7.1	
Flash Point COC	°C	ASTM D 92	200	250	
Pour Point	°C	ASTM D 6749		-48	-39

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