

TECHNICAL PRODUCT SHEET

ECO R² RC 4T 10W—40



DESCRIPTION

ECO R2 RC 4T is a high-performance four-stroke motorcycle engine oil formulated with premium re-refined synthetic base oils and advanced additive technology. Its optimized molecular structure delivers robust shear stability, excellent thermal resistance, and strong protection under high-temperature and high-load conditions. By utilizing high-quality re-refined synthetic base stocks, the formulation achieves top-tier lubrication performance while significantly reducing its environmental impact. The oil maintains a stable viscosity profile, strong film strength, and reliable wet-clutch compatibility for demanding motorcycle applications.

APPLICATIONS

ECO R2 RC 4T is suitable for modern high-output four-stroke motorcycle engines, whether air- or liquid-cooled, operating on a wide range of fuels. It is designed for street, off-road, touring, and sport-riding conditions where consistent power delivery and clutch stability are essential. Its frictional characteristics meet the requirements of integrated engine-gearbox systems and wet-clutch technology, ensuring reliable performance even during aggressive riding, hill climbing, or high-RPM operation. The formulation aligns with the lubrication needs of major motorcycle manufacturers.

SPECIFICATIONS

API	SL
JASO	MA 2

PROPERTIES

ECO R2 RC 4T formulation offers dependable shear stability, good low-temperature fluidity, and effective heat dissipation. Its optimized friction profile enhances clutch engagement and reduces slippage, while low volatility contributes to reduced oil consumption and cleaner engine operation.

BENEFITS

ECO R2 RC 4T provides reliable engine and gearbox protection, smooth power delivery, and longer component life under demanding use. By using high-quality re-refined synthetic base oils, it lowers environmental impact without compromising performance, offering riders both sustainability and dependable operation.



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PHYSICAL-CHEMICAL CHARACTERISTICS

ECO R2 RC 4T	METHOD	SAE 10W-40
Density at 15°C, g/cm ³	ASTM D4052	0.858
Viscosity, Kinematic (cSt) 40°C	ASTM D445	89.9
Viscosity, Kinematic (cSt) 100°C	ASTM D445	14.0
Viscosity index	ASTM D2270	160
Flash point, COC, °C	ASTM D92	228
Pour point, °C	ASTM D97	-36
TBN, mgKOH/g	ASTM D2896	6.0
Dynamic Viscosity, °C/cP	ASTM D5293	-25°C/5,000

The above mentioned characteristics represent mean values.

STORAGE

All packages must be stored in covered, well-ventilated areas. If outdoor storage cannot be avoided, barrels must be placed horizontally to prevent water ingress and to protect labels and markings from damage. Products must not be stored at temperatures above 60 °C and must not be exposed to direct sunlight, freezing conditions, or extreme temperature fluctuations.



HEALTH & SAFETY

This product is not considered to pose significant risks to health or safety when used as intended and in accordance with recommended personal hygiene practices. It must not be applied for purposes other than those for which it has been formulated. For detailed guidance on safe handling and use, refer to the Safety Data Sheet (SDS).



USED OILS

Used lubricants must be collected at designated collection points to prevent environmental contamination. They must not be mixed with solvents, brake fluids, or antifreeze.

