

CUPRUM

CUPRUM MOTOR OIL 2T RACING

Premium Full Synthetic Motor Oil for High Performance Racing 2-Stroke Engine
API TC/JASO FC

Cuprum Motor Oil 2T Racing is a full synthetic lubricant formulated with advanced Group V ester base oils and proprietary copper-filming technology. Specifically engineered for high-RPM racing 2-stroke engines, it provides maximum protection, clean combustion, and power delivery under extreme competition conditions.

The combination of ionic copper additives and ester chemistry ensures outstanding film strength, anti-wear protection, and minimized friction – delivering the edge needed in motorsport performance

Application

Racing & Competition Use: Designed for motorcycles, racing scooters, motocross, enduro, karting, and other high-performance 2-stroke applications.

Extreme RPM Operation: Delivers stable lubrication at sustained high revolutions and extreme loads.

Compatibility: Suitable for both **premix** and **oil injection** systems. Works with unleaded, racing gasoline, and biofuel blends.

Advantages and Potential Benefits

- **Maximum Power Output:** Reduces internal friction, unlocking full engine performance at high RPM.
- **Ultra-Clean Combustion:** Ester base oils and optimized additives minimize carbon deposits and smoke, keeping exhaust ports and power valves clean.
- **Superior Film Strength:** Group V esters bond strongly to metal surfaces, providing excellent protection against scuffing, piston seizure, and ring sticking.
- **Thermal Stability:** Maintains lubrication performance under extreme heat generated in racing conditions.
- **Rapid Mixture Stability:** Forms a homogeneous blend quickly, even with racing fuels.
- **Corrosion Resistance:** Protects engine internals from moisture and aggressive combustion byproducts.

Features of Use



- **Mix from 2% to 3% (50:1 to 33:1)**, depending on racing conditions and manufacturer guidance.
- For maximum performance, consult the engine builder's or team's recommendation.
- Not intended for long-term storage engines – optimized for **active racing use**



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Specification and Approvals

Compliant with **API TC** and meets or exceeds **JASO FC** standards.

Physical and Chemical Parameters

Parameter	Method	Permissible change range	Normal value*
Density at -15°C, Kg/L	ASTM D 4052	Not standardized	0,8512
Kinematic Viscosity at 100°C, cSt	ASTM D 445	6,5-12,5	12,19
Kinematic Viscosity at 40°C, cSt	ASTM D 445	Not standardized	87,4
Viscosity Index	ASTM D 2270	Not less than 90	134
Flash Point, °C	ASTM D 92	Not below than 70	246

Packaging:

Can 1 L

Features of Use



Pay attention to the fuel-oil mixture proportions recommended by the engine manufacturer. If in doubt it is recommended to consult with a company representative before switching to this oil.

Quality Assurance

At CUPRUM, we take quality control very seriously. Every batch of our products undergoes laboratory testing in an accredited facility to ensure they meet our strict technical specifications. This ensures our customers receive high-quality products that meet their needs and provide reliable performance.

*The typical physicochemical characteristics provided are for reference only and are not necessarily technical specifications for production and sale
The information is for reference only. This version of the product technical description supersedes previous versions and is subject to change without notice. Detailed specifications are available upon request at info@cuprum.co.id

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PT. CUPRUM INDUSTRIES INDONESIA
Mandiri Inhealth Tower 15th Floor
Jl. Prof. Dr. Satrio Kav. E-IV No. 6, Mega Kuningan, Jakarta, 12950



info@cuprum.co.id
www.cuprum.co.id



+62 821 2121 4128