

# CUPRUM

## CUPRUM MOTOR OIL 20W50

Synthetic engine oil for all types of motorcycles, operated in heavy and extreme conditions  
API SL / JASO MA

The oil is formulated using a combination of oils with the incorporation of copper filming technology. Additive package containing copper in ionic form has unique anti-friction, anti-wear, and anti-scuff properties, significantly increases the service life of friction units and the entire engine.

Interacting with non-metallic coatings of clutch friction discs, the additive package in CUPRUM oil increases the contact area of the contacting friction surfaces, thereby optimizing the friction coefficient during operation, which in turn improves the frictional properties of the discs and makes the switching smooth and reliable.

### Application

Designed for 4-stroke gasoline engines of all types of motorcycle with or without integrated gearbox, with wet or dry clutch and with or without catalytic converters. Ideal for injection motors. Designed for guaranteed engine protection and longevity of the gearbox.

### Advantages and Potential Benefits

- provides an optimal coefficient of friction in the friction elements, which **avoids their wear** by preventing slippage, and guarantees **the accuracy and smoothness** of the clutch when starting, accelerating and moving at a constant speed, which makes it easy to change gears;
- exceptional **energy-saving and anti-friction properties** significantly reduce fuel consumption;
- unique **anti-wear and anti-scuff** additives protect the cylinder-piston group and the valve mechanism from wear as much as possible, which significantly increases the service life of the engine;
- the innovative oil formula **minimizes friction losses**, providing a significant **increase in engine power and torque**;
- designed to work in medium and heavy operating conditions, has the necessary thermal stability;
- unique detergent components and dispersants maintain perfect **cleanliness of engine parts**;
- maintains its properties when working in a wide temperature range;
- effectively **protects against corrosion**;
- compatible with all exhaust gas cleaning systems.



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## Specification and Approvals

This product is recommended for use in applications requiring:

**API SL** or lower and **JASO MA**

## Physical and Chemical Parameters

| Parameter                         | Method      | Permissible change range | Normal value* |
|-----------------------------------|-------------|--------------------------|---------------|
| Density at 15°C, Kg/liter         | ASTM D 4052 | Not standardized         | 0,8500        |
| Kinematic Viscosity at 100°C, cSt | ASTM D 445  | 16,3 - 21,90             | 17,60         |
| Kinematic Viscosity at 40°C, cSt  | ASTM D 445  | Not standardized         | 113,0         |
| Viscosity Index                   | ASTM D 2270 | Not less than 120        | 172           |
| Flash Point, °C                   | ASTM D 92   | Not below than 200       | 235           |
| Pour Point, °C                    | ASTM D 97   | Not higher than -18      | -18           |
| Total Base Number, mg.KOH/g       | ASTM D 2896 | Not less than 5          | 6,73          |

## Packaging:

Can 1 L

## Features of Use



Preparation of the engine is mandatory when switching to CUPRUM oil. **It is recommended that you clean your engine with CUPRUM DETERGENT.** Before switching to this oil, it is recommended to consult with a company representative.

## 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 that 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](mailto:info@cuprum.co.id)

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