

CUPRUM

CUPRUM SAE 10

Synthetic Hydraulic and Transmission Oil
API CF-2/SF

This oil is an eco-friendly solution formulated with incorporation of copper filming technology designed for use in power-driven equipment. CUPRUM Hydraulic/Transmission oil is developed in accordance with the requirements for a wide range of industrial equipment.

The additive package in CUPRUM oil features ionic copper, which imparts exceptional anti-friction, anti-wear, and anti-scuffing characteristics. These properties contribute to a substantial extension in the service life of loaded components, overall hydraulic/transmission system improvement, and smooth-running operations.

Application

Cuprum SAE 10 is recommended for many heavy duties hydraulic units in a wide range of applications including: mining, construction, trucking, quarrying, and agriculture operating in wide ambient temperatures and high pressure.

Advantages and Potential Benefits

- exceptional **energy-saving and anti-friction** properties to reduce energy consumption;
- excellent **anti-wear and extreme pressure** properties can significantly increase the service life of the hydraulic system under any, even the most extreme, operating conditions in a wide range of ambient temperatures, this especially affects the increase in the resource of precise components and parts of hydraulic systems, which will increase the resource and reliability of equipment as a whole;
- **high thermal stability** reduces the formation of all types of deposits and aggressive substances, which increases the reliability of the components in functional system (valves, plungers, etc.), reduces the risk of jamming (sticking);
- well filtered and prevents the formation of persistent suspensions that can cause filter blocking;
- reduce friction losses to a minimum, provides significant increase in the **efficiency of equipment**;
- excellent demulsifying properties, low pour point and long service life;
- high resistance to destruction during throttling;
- neutral to all sealing materials and paint coatings. Prevent leaks, which reduces procurement costs.
- **minimize the wear** of the coupled parts in hydraulic pumps, which ensures a long service life;



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Specification and Approvals

This product is recommended for use in applications requiring:

API CF-2 / SF

Physical and Chemical Parameters

Parameter	Method	Permissible change range	Normal value*
Density at 15°C, Kg/liter	ASTM D 4052	Not standardized	0,8326
Kinematic Viscosity at 100°C, cSt	ASTM D 445	Not less than 4,100	7,97
Kinematic Viscosity at 40°C, cSt	ASTM D 445	Not standardized	49,70
Viscosity Index	ASTM D 2270	Not less than 100	130
Flash Point, °C	ASTM D 92	Not below than 200	240
Copper (Cu) content, ppm	ASTM D 7751	Not less than 200	215

Packaging:

Barrel 200 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
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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