



Product Name: RÄDER 10W60 SP MA2

Application: Motorcycle 4T engine

JASO, API Service: MA2, SP

Viscosity Grade: 10W60

Quality: Fully synthetic

Recommended for: High-performance motorcycles with or without wet clutches, including those from KTM, HUSQVARNA, MV AGUSTA, and MOTO GUZZI., or any motorcycle engine require the same oil specification.

Drain Interval: Up to 16,000 km

Product Overview

RÄDER 10W60 SP MA2 is a fully synthetic, high-performance 4-stroke motorcycle oil developed with advanced Ester Technology. This lubricant ensures exceptional engine protection, smooth gear transitions, and superior performance under extreme riding conditions. Designed to meet API SP and JASO MA2 (2023) standards, it is the ultimate choice for high-performance motorcycles, including models requiring SAE 10W60.

With its low traction coefficient and optimized additive package, **RÄDER 10W60 SP MA2** minimizes engine friction, improves power output, and enhances engine cleanliness. The innovative anti-wear properties provide extended gear life, while the optimized sulfur and phosphorus content supports catalytic converter compatibility.

Application

- Designed for air- and water-cooled 4-stroke engines.
- Suitable for high-performance motorcycles with or without wet clutches, including those from KTM, HUSQVARNA, MV AGUSTA, and MOTO GUZZI.
- Recommended for engines requiring SAE 10W60 and compliant with API SP and JASO MA2 standards.

Performance Benefits

- **Enhanced Protection:** Ester Technology ensures superior protection under high-temperature and high-rev conditions.
- **Smooth Gear Shifts:** Outstanding shear stability and anti-wear properties optimize gearbox performance.
- **Catalytic Converter Friendly:** Optimized phosphorus and sulfur levels for cleaner emissions.
- **Thermal Stability:** Ensures performance in extreme temperatures.
- **Friction Reduction:** Low traction coefficient minimizes energy losses for better efficiency.

Performance Standards:

- API SP, API SN plus, API SN, SL
- JASO MA2, JASO MA





Typical Properties

Property	Method	Typical Value
SAE Viscosity Grade	SAE J300	10W-60
Density @ 15°C	ASTM D 4052	0.8534 g/cm ³
Viscosity @ 40°C	ASTM D445	164.6 mm ² /s
Viscosity @ 100°C	ASTM D445	23.75 mm ² /s
Viscosity Index	ASTM D2270	175
Pour Point	DIN ISO 3016	-39°C
Flash Point	DIN ISO 2592	240°C
Total Base Number (TBN)	DIN ISO 3771	8.50 mg KOH/g
Sulfated Ash	DIN 51575	0.71 g/100g
HTHS Viscosity @ 150°C	ASTM D4741	5.8 mPa.s

Handling and Safety

- Avoid prolonged or repeated contact with skin.
- Use protective gloves and eyewear during handling.
- Dispose of used oil in compliance with local regulations.

Storage Instructions

- Store in a cool, dry place away from sunlight and heat sources.
- Ensure containers are tightly sealed to prevent contamination

