



Product Name: RÄDER 10W50 SP MA2

Application: Motorcycle 4T engine

JASO, API Service: MA2, SP

Viscosity Grade: 10W50

Quality: Fully synthetic

Recommended for: Modern higher CC four stroke motorcycles of leading manufacturers (with or without integrated gearbox), including those from manufacturers such as KTM and HUSQVARNA, that recommend SAE 10W50.

Drain Interval: Up to 16,000 km

Product Overview

RÄDER 10W50 SP MA2 is a fully synthetic, high-performance 4-stroke engine oil, developed using advanced Ester Technology to deliver superior engine protection, optimized performance, and smooth operation. Designed for extreme riding conditions, this lubricant is compatible with modern motorcycles equipped with wet clutches and catalytic converters. It meets API SP and JASO MA2 (2023) standards, ensuring exceptional thermal stability, oxidation resistance, and seamless gear transitions.

Application

- Suitable for air-cooled and water-cooled 4-stroke engines.
- Ideal for motorcycles with or without an integrated gearbox.
- Perfect for high-performance bikes, including those from manufacturers such as KTM and HUSQVARNA, that recommend SAE 10W50.
- Compatible with BS VI engines fitted with catalytic converters.
- Suitable for both sports and adventure motorcycles operating under severe conditions.

Performance Benefits

- **Enhanced Gear Protection:** Anti-wear additives and shear stability ensure longer gear life and smoother shifting.
- **Low Traction Coefficient Ester:** Reduces internal engine friction for increased power output and better efficiency.
- **Thermal and Oxidation Stability:** Maintains performance in extreme heat and high-speed conditions.
- **Wet Clutch Compatibility:** Meets JASO MA2 standards for smooth clutch engagement and disengagement.
- **Catalytic Converter Friendly:** Optimized phosphorus and sulfur content for cleaner emissions and prolonged catalytic converter life.

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-50
Density @ 20°C	ASTM D1298	0.8546 g/cm ³
Kinematic Viscosity @ 40°C	ASTM D445	126.3 mm ² /s
Kinematic Viscosity @ 100°C	ASTM D445	18.45 mm ² /s
HTHS Viscosity @ 150°C	ASTM D4741	4.7 mPa.s
Viscosity Index	ASTM D2270	164
Pour Point	ASTM D97	-39°C
Flash Point	ASTM D92	238°C

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

