



Product Name: RÄDER 10W50 SL MA2

Application: Motorcycle 4T Engine

JASO, API Service: JASO MA2, API SL

Viscosity Grade: 10W-50

Quality: Semi-synthetic

Recommended for: All types of 4-stroke bikes, both carbureted and fuel-injected, particularly medium to large displacement motorcycles with or without wet clutches, or any motorcycle engine requiring the same oil specifications

Drain Interval: Up to 10,000 km

Product Overview

RÄDER 10W50 SL MA2 is a premium semi-synthetic lubricant formulated for reliable performance and protection in modern 4-stroke motorcycle engines. It offers a balance of synthetic and mineral technologies to ensure excellent wear protection, smooth operation, and outstanding thermal resistance.

Application

- Suitable for all 4-stroke motorcycles, including carbureted and fuel-injected models.
- Recommended for medium to large displacement bikes operating in diverse conditions.
- Compatible with motorcycles equipped with wet multi-disc clutches and catalytic converters.

Performance Benefits

- **Smooth Wet Clutch Performance:** Designed to meet JASO MA2 standards for seamless clutch engagement and reliable operation.
- **Engine Durability:** Protects against wear and deposits, extending engine life.
- **Thermal Stability:** Delivers consistent performance under high-temperature conditions.
- **Cold Start Efficiency:** Ensures smooth engine starts and rapid oil flow in low temperatures.
- **Catalytic Converter Compatible:** Optimized for cleaner emissions and extended life of catalytic systems.
- **Fuel Efficiency:** Reduces internal friction for better mileage and power output.

Meets and approvals:

- API SL
- API SJ
- JASO MA2
- JASO MA

Typical Properties

Property	Method	Typical Value
Appearance	Visual	Clear & Bright
Water Content	Hot Plate	Nil





Color	ASTM D-1500	L2.5
Density @ 15°C, kg/L	ASTM D-1298	0.8663
Viscosity @ 100°C, cSt	ASTM D-445	18.54
Viscosity @ 40°C, cSt	ASTM D-445	143.9
Viscosity Index	ASTM D-2270	145
Flash Point, °C (COC)	ASTM D-92	250
Pour Point, °C	ASTM D-97	-33
Foam (SEQ.I/II/III)	ASTM D-892	0/0/0
TBN, mg KOH/g	ASTM D-2896	7.50
CCS @ -15°C, mPa.s	ASTM D-5293	7550

Recommendations

- Always follow the vehicle manufacturer's recommendations for oil type and drain intervals.
- Compatible with other synthetic and mineral oils, but maximum performance is achieved when used unmixed.

Safety and Handling

Refer to the Safety Data Sheet (SDS) for details on safe use and handling

