



Product Name: RÄDER 10W50 SN MA2

Application: Motorcycle 4T engine

JASO, API Service: MA2, SN

Viscosity Grade: 10W50

Quality: Fully synthetic

Recommended for: All types of 4-stroke bikes, both carbureted and fuel injected, specially all motorcycles with medium to large engine or any motorcycle engine require the same oil specifications

Drain Interval: Up to 14,000 km

Product Overview

RÄDER 10W50 SN MA2 is a fully synthetic, high-performance 4-stroke engine oil engineered for modern motorcycles. Developed using advanced Molecular Conversion (MC) technology, it chemically refines high-quality base oils to deliver exceptional engine protection, thermal stability, and superior performance. This lubricant provides excellent wear protection, resistance to oil thickening, and enhanced low-temperature starting. Its balanced formulation ensures smooth operation for wet clutches, making it ideal for medium to large displacement motorcycles, including those equipped with catalytic converters.

Application

- Suitable for all makes of 4-stroke motorcycles, both carbureted and fuel-injected, where API SN or earlier specifications and JASO MA/MA2 are recommended.
- Perfect for medium to large displacement bikes operating in demanding conditions.
- Compatible with wet multi-disc clutches and catalytic converter-equipped engines.

Performance Benefits

- **Smooth Wet Clutch Operation:** Ideal for multi-disc clutches, ensuring seamless power transfer.
- **Thermal and Oxidative Stability:** Maintains performance under extreme heat and stress.
- **Power Release Formula:** Reduces internal engine friction for improved efficiency and acceleration.
- **Cold Start Reliability:** Exceptional low-temperature performance for easy engine starts.
- **Catalyst-Friendly:** Optimized formulation for prolonged catalytic converter life and cleaner emissions.

Performance Standards:

- API SN, SM, SL, SJ, SH, SG
- JASO MA2, JASO MA

Typical Properties

Property	Method	Typical Value
Appearance	Visual	Clear & Bright
Water Content	Hot Plate	Nil
Color	ASTM D-1500	L 3.0





Density @ 15°C, kg/L	ASTM D-4052	0.8578
Viscosity @ 100°C, cSt	ASTM D-445	18.28
Viscosity @ 40°C, cSt	ASTM D-445	126.3
Viscosity Index	ASTM D-2270	162
Flash Point, °C (COC)	ASTM D-92	240
Pour Point, °C	ASTM D-5950	-33
Foam (SEQ.I/II/III)	ASTM D-892	0/0/0
TBN, mg KOH/g	ASTM D-2896	10.15
Apparent viscosity by CCS @ -25°C, mPa.s	ASTM D-5293	5890

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

