



Product Name: RÄDER 20W40 MA2 SN

Application: Motorcycle 4T engine

JASO, API Service: MA2, SN

Viscosity Grade: 20W40

Quality: Fully synthetic

Recommended for: New generation 4-stroke gasoline engines in high-performance motorcycles of all leading global manufacturers

Drain Interval: Up to 14,000 km

Product Overview

RÄDER 20W40 SN MA2 is a high-performance fully synthetic motorcycle oil formulated for modern 4-stroke engines. Designed to exceed the demands of API SN and JASO MA2 standards, it provides superior engine cleanliness, wear resistance, and clutch compatibility. Its advanced formulation ensures consistent performance under extreme conditions, making it ideal for sport, touring, and daily riding applications.

Application

- Suitable for all high-performance 4-stroke motorcycles with or without catalytic converters.
- Compatible with wet or dry clutch systems.
- Recommended for motorcycles used in sport, touring, and extreme operating conditions.

Performance Benefits

- **Enhanced Engine Protection:** Provides exceptional wear resistance and engine cleanliness for extended engine life.
- **Optimized Clutch Performance:** Fully compatible with wet clutches, ensuring smooth engagement and gear shifting.
- **High-Temperature Stability:** Resists thermal breakdown, delivering stable performance in demanding conditions.
- **Fuel Efficiency:** Lowers internal friction, optimizing fuel economy without compromising power output.
- **Catalytic Converter Compatible:** Optimized phosphorus and sulfur levels for emission system protection.

Performance Standards:

- **API:** API SN, SL
- **JASO:** JASO MA2, JASO MA

Typical Properties

Property	Method	Unit	Typical Value
Viscosity Grade	SAE J300	-	20W40





Density @ 15°C	ASTM D4052	g/cm ³	0.8549
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	97.44
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	14.56
Viscosity Index	ASTM D2270	-	155
Pour Point	ASTM D97	°C	-36
Flash Point	ASTM D92	°C	240
Total Base Number (TBN)	ASTM D2896	mg KOH/g	10.15
Sulfated Ash	ASTM D874	% wt	0.78

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

