



Product Name: RÄDER 20W50 SN MA2

Application: Motorcycle 4T engine

JASO, API Service: MA2 , SN

Viscosity Grade: 20W50

Quality: Fully synthetic

Recommended for: Use in four-stroke engines of scooters, mopeds, motorcycles and ATVs, also for motorbikes' transmissions and clutches, which need lubrication by motor oils.

Drain Interval: Up to 14,000 km

Product Overview

RÄDER 20W50 SN MA2 is a premium fully synthetic motorcycle engine oil formulated with groundbreaking additive technology and ester-based base oils. It is designed to deliver exceptional engine performance and complete protection for all lubricated parts. Its versatile formulation meets the requirements of a wide range of motorcycles and riding conditions, making it ideal for touring, daily commuting, and high-performance applications.

Application

- Suitable for air- and water-cooled four-stroke motorcycle engines.
- Designed for motorcycles with or without wet clutches.
- Recommended for scooters, mopeds, ATVs, and motorcycles requiring API SN or JASO MA2 standards.
- Perfect for touring and daily riding conditions.

Performance Benefits

- **Enhanced Engine and Transmission Performance:** Optimized for smoother shifting, reduced friction, and superior power output.
- **Wet Clutch Compatibility:** Ensures excellent clutch performance for seamless engagement.
- **Exceptional Thermal Stability:** Retains viscosity and resists breakdown under high-temperature conditions.
- **Versatile Usage:** Simplifies fluid management with its broad compatibility.
- **High-Temperature Protection:** Guards engine components against wear and deposits in extreme conditions.
- **Ester-Based Formula:** Provides superior film strength and engine cleanliness.

Performance Standards:

- **API:** API SN, SM, SL, SJ, SH, and SG.
- **JASO:** JASO MA2





Typical Properties

Property	Method	Unit	Typical Value
Density @ 15°C	ASTM D4052	g/ml	0.8548
Kinematic Viscosity @ 40°C	ASTM D445	mm ² /s	125.6
Kinematic Viscosity @ 100°C	ASTM D445	mm ² /s	18.12
Viscosity Index	ASTM D2270	-	161
Total Base Number (TBN)	ASTM D2896	mg KOH/g	10.15
Pour Point	ASTM D6892	°C	-36
Flash Point	ASTM D92	°C	240
Appearance	Visual	-	Bright & Clear

Recommendation

- 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.

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

