



Product Name: RÄDER 15W40 MA2 SL

Application: Motorcycle 4T Engine

JASO, API Service: JASO MA2, API SL

Viscosity Grade: 15W-40

Quality: Semi-synthetic

Recommended for: Modern 4 stroke scooters without wet clutch and where JASO MA2 specification is required or any motorcycle require the same oil specification

Drain Interval: Up to 10,000 km

Product Overview

RÄDER 15W40 SL MA2 is a premium semi synthetic motorcycle oil formulated for modern 4-stroke scooters requiring JASO MA2 specification. Designed for scooters without wet clutches, this advanced oil ensures exceptional engine protection, reduced emissions, and improved fuel economy. Its high-performance additives enhance oxidation stability, engine cleanliness, and wear resistance for superior performance in city traffic and long rides.

Application

- Recommended for 4-stroke scooters without wet clutches.
- Suitable for engines where JASO MA2 and API SN or below are specified.
- Ideal for both carbureted and fuel-injected engines

Performance Benefits

- **Reduces Oil Consumption:** Minimizes oil loss for cost-effective operation.
- **Low Emissions:** Provides cleaner exhaust for environmental compliance.
- **Excellent Wear Protection:** Ensures durability under high-stress conditions.
- **Outstanding Detergent Properties:** Keeps the engine clean for optimal performance.
- **Exceptional Thermal Stability:** Delivers reliable performance at high temperatures

Meets and approvals:

- API SL
- API SJ
- JASO MA2

Typical Properties

Property	Method	Unit	Typical Value
Appearance	Visual	-	Clear & Bright
Density @ 15°C	ASTM D4052	kg/L	0.8575
Viscosity @ 40°C	ASTM D445	cSt	99.15
Viscosity @ 100°C	ASTM D445	cSt	14.75
Viscosity Index	ASTM D2270	-	155





Apparent Viscosity by CCS @ -25°C	ASTM D5293	mPa.s	5546
Flash Point (COC)	ASTM D92	°C	240
Pour Point	ASTM D5950	°C	-39
Foam Sequence I/II/III	ASTM D892	ml/ml	0/0/0
Total Base Number (TBN)	ASTM D2896	mg KOH/g	10.12

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

