

Product information

MAXSPEED 4T 20W-50

4-Stroke Motorcycle Engine Oil

INTERNATIONAL STANDARDS

- JASO MA2 - M033TOL325
- API SJ

1. PRODUCT DESCRIPTION

- MAXSPEED SAE 20W-50 API SJ JASO MA2 is a high-viscosity mineral-based 4-stroke motorcycle engine oil formulated from selected Group II mineral base oils and a premium 4T additive package.
- Meets API SJ performance requirements and JASO MA2 friction standards for wet-clutch systems. Suitable for manual transmission motorcycles and clutch-equipped motorcycles operating under heavy loads and high temperatures.

2. APPLICATIONS

- Lubricant for 4-stroke motorcycle engines with integrated engine, gearbox, and wet-clutch systems.
- Suitable for underbone motorcycles, manual motorcycles, and clutch-equipped motorcycles operating in city traffic, highway conditions, and heavy-duty service.
- Recommended for older engines requiring SAE 20W-50 viscosity to reduce engine noise and oil consumption.
- Not recommended for scooters requiring JASO MB low-friction oils.

3. KEY FEATURES & BENEFITS

- High and stable viscosity provides excellent protection at elevated temperatures and reduces engine wear.
- Excellent detergent and dispersant properties help minimize deposits on pistons, piston rings, and cylinder head areas.
- Outstanding oxidation resistance and sludge control for longer oil life.
- Wet-clutch compatible, meeting JASO MA2 requirements for reliable clutch engagement and reduced slippage.
- Effective rust, corrosion, and foam protection throughout the lubrication system.

4. TYPICAL TECHNICAL CHARACTERISTICS

PROPERTY	TEST METHOD	TYPICAL VALUE
SAE Grade	SAE J300	20W-50
Density @15°C	ASTM D4052	0.885
Kinematic Viscosity @40°C	ASTM D445	160 – 180 mm ² /s
Kinematic Viscosity @100°C	ASTM D445	18-19 mm ² /s
Viscosity Index	ASTM D2270	125 – 135
Pour Point	ASTM D97	-12
Flash Point (COC)	ASTM D92	≥ 230°C
Estimated TBN	ASTM D2896	~4,0 – 4,5
Sulfated Ash	ASTM D874	0.9 – 1.1%
Friction Performance	T903:2016	MA2
Copper Corrosion	ASTM D130	1A
Foaming Characteristics	ASTM D892	Pass

5. PERFORMANCE LEVELS

- Designed to meet API SJ requirements for 4-stroke motorcycle engine oils.
- Meets JASO MA2 wet-clutch friction performance requirements.

6. DIRECTIONS FOR USE

- Change oil according to the motorcycle manufacturer's recommendations or sooner under severe operating conditions.
- Typical drain interval: 2,000–3,000 km for daily-use motorcycles.
- Warm up the engine for a few minutes, stop the engine, and completely drain the used oil.
- Clean or replace the oil filter (if equipped) at recommended intervals.
- Do not mix with low-quality or unknown oils.

7. SAFETY, HEALTH & ENVIRONMENT

- Avoid prolonged skin contact; wash thoroughly with soap and water after contact.
- In case of eye contact, rinse immediately with plenty of clean water.
- Do not ingest. If swallowed, seek medical attention immediately and provide the product label.
- Do not discharge used oil into the environment, drainage systems, or water sources.
- Dispose of used oil and packaging in accordance with hazardous waste regulations.

8. PACKAGING, STORAGE & TRANSPORTATION

- Packaging: 0.8L and 1L bottles.
- Store in a cool, dry, and well-ventilated area away from direct sunlight and heat sources.
- Keep containers tightly closed after use to prevent contamination by water or foreign materials.
- Recommended shelf life: 36 months from the manufacturing date under proper storage conditions.

9. ADDITIONAL NOTES

Information in this TDS is provided for reference and may be adjusted according to actual test results. Product formulations and specifications may be customized to meet OEM/ODM customer requirements.



Health, Safety and Environmental Information
Safety Data Sheets (SDS) for all DENISOIL products are available upon request. Please contact us for complete information on the safe use, storage, and handling of our products.

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