Havoline® Super 4T Semi-Synthetic JASO MA2



High Performance Premium Four-Stroke Motorcycle Oil

Product description

Havoline® Super 4T Semi-Synthetic is a premium performance derived from the proprietary synthetic formula designed to provide superior oxidation control to enable optimum power release and acceleration throughout the oil drain interval. This light viscosity formula delivers fuel economy and meets Honda HMEOC requirements.

Customer benefits and product features

Customer benefits

Clean engine

High performance formula provides excellent overall engine and transmission cleanliness in all service conditions. High oxidation stability maintains engine performance throughout the full oil drain intervals in modern motorcycle designs.

Low oil consumption

Formulated to minimize oil consumption, which is particularly important in motorcycle engines which are operated in high temperature conditions. Proven to reduce scuffing wear and provide adequate protection to the engine at all times.

Power and Performance

The exceptional oxidation stability of the proprietary synthetic formula ensure effective lubrication of engine throughout the oil drain interval, hence enabling optimum power release and acceleration.

Easy starting and riding, even at high temperatures

Special additive mix and the shear stability of the oil minimizes oil thinning, particularly in the gearbox, offering high stress protection at both start-up and during high temperature operation.

Product features

Havoline® Super 4T Semi-Synthetic is a shear-stable, multigrade, multifunctional fluid specifically designed
for use in four-stroke motorcycle engines, clutches and gearboxes, and portable power equipment engines
requiring JASO MA2 or MA, API SL lubricants, including high specific output engines operating in severe
service.

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Applications

- Latest generation air and liquid-cooled four-stroke motorcycle engines
- Particularly suitable for Japanese high performance motorcycle engines
- Motorcycles with back torque limiters
- Motorcycles with exhaust catalytic converters

Product approvals, performance and recommendations

Performance

JASO MA2 (2011)

JASO Identification Numbers: M065CTP205

API SL

Service considerations

The JASO MA2 category defines the highest friction motorcycle oils suitable for use in the most critical oil-immersed clutch installations. Oils which meet JASO MA2 also meet in full JASO MA, so may be used wherever JASO MA is specified. JASO allows an oil to be labelled as either JASO MA2 or JASO MA, but not both simultaneously.

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Typical test data

HAVOLINE [®] SUPER 4T SEMI-SYNTHETIC	RESULTS
SAE Grade	10W-30
Product Code	500719
Base No.,	
D2896, mg KOH/g	7.7
Pour Point, °C	-35
Sulfated Ash, mass %	0.99
Viscosity, mm²/s @ 40°C	70.7
mm ² /s @ 100°C	76.7 11.4
Viscosity Index	142
Phosphorus, mass %	0.10

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ENVIRONMENT, HEALTH and SAFETY. Information is available on this product in the Material Safety Data Sheet (MSDS) and Customer Safety Guide. Customers are encouraged to review this information, follow precautions and comply with laws and regulations concerning product use and disposal. To obtain a MSDS for this product, visit the <u>Product Information Center</u>.

This Product Data Sheet (PDS) was produced for the Asia Pacific region based on the best available information at the time of issue. The specific information included may not directly reflect the market or conditions, and may vary. For the most up-to-date, country-specific information, please contact your local customer service center