# Havoline® 4T

## **Four-Stroke Motorcycle Oil**



### Product description

High quality, shear stable, multi-grade, multifunctional fluid specifically designed for use in four-stroke motorcycle engines, clutches and gearboxes, and portable power equipment engines requiring JASO MA2, API SG lubricants.

### Customer benefits

#### Cost-effective engine protection

Proven formula protects contact surfaces to control engine and gear wear.

#### Clean Engine

Effective and efficient technology that keeps engine clean by controlling engine deposits for sustained power release and acceleration. Detergent and dispersant system slows build-up of piston and ring deposits to help maintain your engine's power and performance.

#### Smooth Riding

Optimum control of frictional properties to ensure that there is no clutch slippage, hence providing a smoother ride.

### **Applications**

- Air and liquid-cooled, four-stroke motorcycle engines, where API SG or lower performance oils are acceptable.
- Motorcycles with oil-immersed clutches, where API SG or lower performance oils are acceptable.
  Motorcycles with centrifugal clutches.
- Four-stroke scooter engines.

### Approvals, performance and recommendations

HAVOLINE 4T MOTORCYCLE OIL	SAE 20W-40	SAE 20W-50
JASO MA2	Approved (M065CTP323)	Meets requirements
API SG	Meets requirements	Meets requirements

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#### Typical test data

HAVOLINE 4T	TEST METHOD	RESULTS	
SAE Grade		20W-40	20W-50
Product Code		500707	500748
Base No., mg KOH/g	ASTM D2896	6.2	6.4
Sulfated Ash, mass %	ASTM D874	0.88	0.88
Viscosity,			
mm <sup>2</sup> /s @ 40°C	ASTM D445	126	166
mm²/s @ 100°C	ASTM D445	14.5	19.00
Phosphorus, mass %	ASTM D4951	0.09	0.09

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 Product Information Center.

This Product Data Sheet (PDS) was produced for the Asia-Pacific region in good faith from the best information available at the time of issue. The specific information included may not directly reflect the local market or conditions. While the values and characteristics are considered representative, some variation, not affecting performance, can be expected. For the most up-to-date, country-specific information, please contact your local customer service center.

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