



## MOTUL 7100 20W-50 4T

**High Performance Motorcycle Lubricant  
Sport & Adventure  
Synthetic Technology**

### TYPE OF USE

Synthetic technology 4-Stroke lubricant – Ester Technology – Engineered for 2 cylinder engines. Meets Harley-Davidson® specifications. Excellent shear resistance. Smooth shifting. Meets JASO MA2 specifications for optimal wet clutch performance. Suitable for catalytic converters.

### PERFORMANCES

STANDARDS                      API SP  
    JASO MA2 (2023) No. M033MOT216

#### Protection

Ester Technology :

- Low traction coefficient Ester to minimize engine internal friction losses and improve performance.
- Synergy of Ester with anti-wear additives and improved shear resistance for improved gear protection and life time.

100% Synthetic lubricant for improved oil film resistance at high temperatures and high revs.

Optimized Phosphorus and Sulfur content (JASO MA2 < 1200 ppm) for better operating conditions of catalytic converters.

The innovative anti-wear additives package provides outstanding gearbox protection. FZG Gear Test results: Pass FLS>14. The **FZG** (Forschungsstelle für **Z**ahnrader und **G**etriebebau) Test, evaluates fluid lubricating and wear protection properties at the interface of a loaded set of gears. Lubricants are then graded based on their “Failure Load Stage” or FLS rating from FLS 1 (very poor result) up to FLS 14 (outstanding result).

#### Comfort

JASO has created its own 4-stroke motorcycle standard -JASO T903- which has three grades MA, MA1 and MA2.

JASO MA2 offers the most efficient friction levels to guarantee the clutch engagement during the three riding modes:

Starting, Acceleration and Constant speed.

We retain the right to modify the general characteristics of our products in order to offer to our customers the latest technical development.

Product specifications are definitive from the order which is subject to our general conditions of sale and warranty.



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### RECOMMENDATIONS

Drain interval: according to manufacturers' recommendations and tune to your own use.  
Can be mixed with synthetic or mineral lubricants.

### PROPERTIES

Color	Visual	Red
Viscosity grade	SAE J 300	20W-50
Density at 20°C (68°F)	ASTM D1298	0.856
Viscosity at 40°C (104°F)	ASTM D445	119.5 mm <sup>2</sup> /s
	ASTM D445	17.5 mm <sup>2</sup> /s
Viscosity at 100°C (212°F)		
HTHS viscosity at 150°C (302°F)	ASTM D4741	4.6 mPa.s
	ASTM D2270	162.0
Viscosity Index		
	ASTM D97	-30.0 °C / -22.0 °F
Pour point		
Flash point	ASTM D92	246.0 °C / 475.0 °F

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