

TYPE OF USE

High performance bikes, sports bikes, street & road bikes, trails, off road bikes, enduro, trial...fitted with 4 stroke engines, integrated gearbox or not, wet or dry clutch, engines meeting Euro 2, 3, 4 or 5 emission regulation, fitted with exhaust gas after treatment systems: catalytic converters, air injection into exhaust pipe...

Grade 50 at high temperature especially suitable for big bore engines thumpers, twins...

Other uses: street bikes without catalytic converters, scooters, ATVs, UTVs...

PERFORMANCES

STANDARDS API SN / SM / SL / SJ / SH / SG

PERFORMANCES JALOS MA2 under N° M033MOT165, HARLEY-DAVIDSON MC Meets HARLEY DAVIDSON specifications

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.

Synthese-Technologie 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 Zahnrad und Getriebebau) 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.



7100 20W50 4T DE

**High Performance Motorcycle Lubricant
Synthese-Technologie - Ester**

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	0.864
Viscosity at 40°C (104°F)	ASTM D445	126.5 mm ² /s
Viscosity at 100°C (212°F)	ASTM D445	18.0 mm ² /s
Viscosity Index	ASTM D2270	158.0 158
Flash point	ASTM D92	236 °C / 457 °F
Pour point	ASTM D97	-30.0 °C / -22.0 °F
TBN	ASTM D2896	8.4 mg KOH/g

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

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

MOTUL - 119 Bd Félix Faure - 93303 - Aubervilliers Cedex - BP 94 - FRANCE - Tel: 33 1 48 11 70 00 - Fax: 33 1 48 33 28 79 - www.motul.com