



7100 4T 10W-50

High Performance Motorcycle Lubricant

100% Synthetic - Ester

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 or Euro 3 emission regulation, fitted with exhaust gas after treatment systems : catalytic converters, air injection into exhaust pipe...

Recommended for specific DUCATI, KTM, BMW engines requiring SAE 10W-50 viscosity grade oil.

Other uses: street bikes without catalytic converters, scooters, ATV's, UTV's...

PERFORMANCE

STANDARDS

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

SPECIFICATION

JASO MA2 under N° M033MOT118

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 Sulphur 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.

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	10W-50
Density at 20°C (68°F)	ASTM D1298	0.861
Viscosity at 40°C (104°F)	ASTM D445	120.5 mm²/s
Viscosity at 100°C (212°F)	ASTM D445	18.1 mm²/s
Viscosity Index	ASTM D2270	167
Pour point	ASTM D97	-33°C / -27.4°F
Flash point	ASTM D92	232°C / 449.6°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.

Product specifications are not 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 - Tel : 33 1 48 11 70 00 - Fax : 33 1 48 33 28 79. Site Web : www.motul.com