



MOTUL 300V² 4T FACTORY LINE SBK 0W-30



Motorcycle Racing Motor Oil
ESTER Core[®] Technology

TYPE OF USE

Cutting-edge technology lubricant developed for Factory teams but also for high performance stock motorcycles, designed to offer maximum power output and better clutch grip control with outstanding engine and gearbox protection when running in all types of extreme conditions.

Suitable for 4 stroke engines with or without integrated gearbox and with wet or dry clutch.

For stock, tuned and racing engines operating at very high temperature from low to high revs.

PERFORMANCES

STANDARDS Above existing standards / FIM (Fédération International de Motocyclisme) Quality Product / SBK (WorldSBK) Official Engine Oil

PERFORMANCES JALOS - Wet clutch compatibility checked on JASO T903 test.

TYPE OF USE Road & street legal superbikes, SBK-Superbike, SuperSport, uphill, hill climb...

ESTER Core[®] TECHNOLOGY

For decades Motul has developed high performance synthetic Ester based lubricants.

This Motul 300V² includes the latest evolutions of Motul's proprietary **ESTER Core[®] Technology** to ensure maximum engine power output without compromising reliability and wear protection.

Motul has created a perfect synergy formula to increase performance and protection of the engine by selecting esters over other high performance synthetic and organic base stocks and combining them with an innovative additive package while limiting its environmental impact.

Esters are polar molecules hence are attracted to metallic surfaces. **ESTER Core[®] Technology** features optimized polarity for maximal adherence of the oil film to increase engine protection, reliability and rideability, even in the most extreme conditions.

Used only in the Motul 300V and 300V² ranges, this exclusive technology guarantees you increased:

- **Maximum torque & engine response:** Friction reduction for maximum torque increase at all rpm
- **Clutch grip & motricity:** Faster clutch lock, quicker power transfer and lower clutch slippage
- **Reliability:** High shear stability for maximal oil film resistance to reduce engine and gear wear

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

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- Oil durability: Increased oxidation resistance for longer engine and oil life duration
- Fuel Economy: Low oil film friction brings Fuel Economy performance

Benefits from tests performed on stock road motorcycles comparing Genuine Oil 5W-40 vs Motul 300V² 4T Factory Line 0W-30 :

- **INCREASED TORQUE & ENGINE RESPONSE** - Low oil film friction at all revolution speed :

Maximum Torque improvement of +13.6 Nm (+10 ft-lbs) @ 6,500 rpm measured on the dynamometer, with a global torque increase of +10% at low, mid and high engine revs.

Through **ESTER Core[®] Technology** maximal polar adherence of the oil film, Motul 300V² 4T Factory Line 0W-30 increases the engine response for better acceleration, cornering speeds and improved ride experience.

- **INCREASED CLUTCH GRIP** - Optimized friction control :

The JASO T903 test evaluates the frictional performance of the clutch and fluid combination over a wide speed range. Motul 300V² 4T Factory Line 0W-30 showed 8.9 % of friction improvement and retained friction performance after 10K km (6K miles) road test thus allowing better motricity and traction control in various riding conditions. Riding comfort is also increased as lower oil film friction level brings engine noise reduction in all riding modes.

- **INCREASED ENGINE & GEARBOX RELIABILITY** - High shear stability of the oil film :

Based on an innovative anti-oxidation and anti-wear additives package, Motul 300V² 4T Factory Line 0W-30 showed 7.1% shear stability and protection performance improvement thus allowing Motul 300V² 4T Factory Line 0W-30 to show similar metals wear results after 10K km (6K miles) road test compare to the 5W-40 genuine oil. The fast oil pressure build-up and optimal oil flow of Motul 300V² 4T Factory Line 0W-30 allow easy engine start-ups and reduce engine/gearbox wear.

- **INCREASED OIL DURABILITY** - Optimized oxidation stability and protection :

Motul 300V² 4T Factory Line 0W-30 showed up to 49% of oxidation reduction and lowered oil running temperatures by 7.8°C (46°F) thus allowing Motul 300V² 4T Factory Line 0W-30 to improve global cooling and protection for less mechanical stress, longer oil lifetime and durability.

Motul 300V² 4T Factory Line 0W-30 features outstanding oxidation resistance and stay in grade performance after 10K km (6K miles) road test by remaining in the 0W-30 viscosity grade and allows higher running temperatures without compromising engine protection.

- **FUEL ECONOMY PERFORMANCE** - Improved engine fuel consumption:

Motul 300V² 4T Factory Line 0W-30 innovative low oil film friction showed Fuel Economy performance gains up to 8%

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versus the competitor used as reference oil. Motul 300V² 4T Factory Line 0W-30 allows higher mileage range per full fuel tank.

ORGANIC BASE



The Organic base using non-fossil renewable materials is limiting the environmental impact and allows Motul to lower its carbon footprint by 25% during manufacturing process.

The Motul 300V² 4T Factory Line 0W-30 allows stable oil pressure and brings the maximum power to your engine in all extreme conditions.

This Motul 300V² 4T Factory Line 0W-30 can cope with engines subject to low engine oil dilution from unburned fuel.

RECOMMENDATIONS

For maximum engine and gearbox performance, avoid mixing with other synthetic or mineral lubricants.
Oil change: Adjust to your own use.

PROPERTIES

Color	Visual	Amber
Viscosity grade	SAE J 300	0W-30
Density at 20°C (68°F)	ASTM D1298	0.852
Viscosity at 40°C (104°F)	ASTM D445	52.2 mm ² /s
Viscosity at 100°C (212°F)	ASTM D445	10.9 mm ² /s
Pour point	ASTM D97	-45.0 °C / -49.0 °F
TBN	ASTM D2896	9.4 mg KOH/g
Flash point	ASTM D92	230.0 °C / 446.0 °F

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