



# 300V Road Racing 4T 10W-50

**Racing Motorcycle Lubricant**

***ESTER Core®* Technology**

## **TYPE OF USE**

**MOTUL 300V Road Racing 4T 10W-50** is a unique high-end lubricant based on ***ESTER Core®*** technology and premium raw materials developed through racing activities.

Made for 4-stroke road racing engines from private track motorcycles to professional race bikes in Endurance, Supersport, Superbike and GP motorcycle racing.

Other applications: Street bikes fitted with catalytic converters, sidecars, UTVs, SxS, personal watercraft (PWC), snowmobiles, ...

## **PERFORMANCE**

- Above existing standards
- Wet clutch compatibility tested according to JASO T903:2023, level MA

### ***ESTER Core®* Technology**

MOTUL can rely on decades of experience in the development of synthetic high-performance ester-based lubricants.

Through the selection of special esters in combination with an innovative additive package Motul achieves the perfect synergy in terms of maximum engine, transmission, and clutch performance without compromising wear protection and reliability.

- Up to 1.3% horsepower increase. \*
- Best lubricity for ultimate engine response and acceleration.
- Outstanding gear tooth face scuffing resistance (FZG failure load stage >14) \*\*
- High polarity for maximum oil film adhesion on metal surfaces.
- Fastest oil flow already in the starting phase reduces critical cold start wear and guarantees long engine life.
- Stable oil pressure under all operating conditions for maximum reliability.
- Minimum oil consumption due to an exclusive formulation of synthetic base oils with low volatility.
- Clutch performance according to JASO MA to ensure best wet clutch friction engagement in all riding modes.

\* Tested on an engine dyno (Suzuki GSX-R 1000 RR with new 300V Road Racing 4T 10W-40 vs. previous version)

\*\* The FZG test evaluates the lubrication and wear protection properties of fluids at the interface of a loaded gear set. The lubricants are then classified according to their "Failure Load Stage" or FLS rating from FLS 1 (very poor result) to FLS 14 (outstanding result).

## **RECOMMENDATIONS**

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

## **PROPERTIES**

|                            |            |                           |
|----------------------------|------------|---------------------------|
| Color                      | Visual     | Yellow / Green Fluo       |
| Viscosity grade            | SAE J 300  | <b>10W-50</b>             |
| Density at 20°C (68°F)     | ASTM D1298 | 0.866                     |
| Viscosity at 40°C (104°F)  | ASTM D445  | 100.32 mm <sup>2</sup> /s |
| Viscosity at 100°C (212°F) | ASTM D445  | 17.61 mm <sup>2</sup> /s  |
| Viscosity Index            | ASTM D2270 | 193                       |
| Pour point                 | ASTM D97   | -42°C                     |
| Flash point                | ASTM D92   | 218°C                     |
| HTHS                       | ASTM D4683 | 5.54                      |
| TBN                        | ASTM D2896 | 7.9 mg KOH/g              |