

**SMARTER HMEOC 4T 10W-30****MOTO**

### Description

Synthetic lubricant oil for high performance 4-stroke engines with fuel saving properties. High thermal stability and excellent engine care as it is used at high engine revolutions even under high temperatures in hot climates. It particularly cares for the delicate parts such as the gearbox and wet clutches.

### Properties

- Developed according to the demanding HMEOC (High Quality Motorcycle Engine Oil Conception for fuel saving) requirements to contribute towards fuel saving and therefore to protecting the environment by reducing CO2 emissions.
- Results tested on four-stroke motorcycles in extreme working conditions that have shown excellent protection against wear.
- Its formula offers high level performance and, at the same time, ensures adequate friction for couplings coated in oil in the joint engine and transmission lubrication systems in motorcycles (wet clutch).
- Only use when this SAE 10W-30 viscosity grade is recommended by the motorcycle manufacturer. It offers fuel savings of up to 8% and reduced lubricant consumption, thus guaranteeing exceptional lubrication of the engine and transmission.

### Quality levels, approvals and recommendations

- HMEOC (High Quality Motorcycle Engine Oil Conception for Fuel Saving)
  - JASO T-903:2016 MA2\*
  - API SL
- \*Formal approval

### Technical specifications

|                                | UNIT     | METHOD      | VALUE        |
|--------------------------------|----------|-------------|--------------|
| SAE Grade                      |          |             | 10W-30       |
| Density at 15 °C               | g/cm3    | ASTM D 4052 | 0,855        |
| Viscosity at 100 °C            | cSt      | ASTM D 445  | 10,1         |
| Viscosity at 40 °C             | cSt      | ASTM D 445  | 62,3         |
| Viscosity at -25 °C            | cP       | ASTM D 5293 | 7000 maximum |
| Viscosity index                | -        | ASTM D 2270 | 147          |
| Flash point, open cup          | °C       | ASTM D 92   | 248          |
| Pour point                     | °C       | ASTM D 97   | -42          |
| T.B.N.                         | mg KOH/g | ASTM D 2896 | 8,2          |
| Sulphated ashes                | % weight | ASTM D 874  | 1,15         |
| Bosch injector shear at 100 °C | cSt      | ASTM D 3945 | 9,9          |
| Noack Volatility 250 °C        | %        | DIN 51581   | 7,8          |

The above mentioned characteristics are typical values and should not be considered product specifications.