

## MÖTPRO Fully Synthetic Motorcycle Engine Oil SAE 20W50 SP MA2

### Product Description

MÖTPRO 20W50 SP MA2 4T is a fully synthetic motor oil designed for high-performance motorcycles. It offers superior engine protection, reliability, and performance for on-road and off-road riding. This advanced formula is suitable for 4-stroke engines with or without integrated gearboxes, and both wet and dry clutches. It meets the stringent requirements of modern engines equipped with catalytic converters and exhaust after-treatment systems.

### Application

MOTPRO 20W50 SP MA2 is ideal for:

- High-performance motorcycles used in sport, adventure, or touring.
- Severe conditions, including high-temperature environments and demanding riding styles.
- Applications such as ATVs, UTVs, personal watercraft (PWC), and snowmobiles (when manufacturer's viscosity recommendations match).

### Storage and Handling

- Store in a cool, dry place away from direct sunlight.
- Ensure proper handling to avoid contamination.
- MOTPRO 20W50 SP MA2 delivers ultimate reliability and performance for demanding riders and extreme riding conditions.

### Typical Properties

| Property                 | Method       | Value                    |
|--------------------------|--------------|--------------------------|
| SAE Viscosity Grade      | SAE J300     | 20W-50                   |
| Density @ 15°C           | DIN 51757    | 0.8564 g/cm <sup>3</sup> |
| Viscosity @ 40°C         | ASTM D445    | 124.7 mm <sup>2</sup> /s |
| Viscosity @ 100°C        | ASTM D445    | 18.11 mm <sup>2</sup> /s |
| Viscosity Index          | DIN ISO 2909 | 162                      |
| HTHS Viscosity @ 150°C   | ASTM D4741   | 4.8 mPa.s                |
| Pour Point               | DIN ISO 3016 | -33 °C                   |
| Flash Point              | DIN ISO 2592 | 240 °C                   |
| Evaporation Loss (Noack) | ASTM D5800   | 7.95%                    |
| Total Base Number (TBN)  | DIN ISO 3771 | 8.50 mg KOH/g            |
| Sulfated Ash             | DIN 51575    | 0.75 %                   |

### Performance Benefits

- Exceptional oil film strength for high-temperature, high-speed conditions.
- Outstanding engine cleanliness and deposit control.
- Enhanced clutch grip and smooth shifting for optimal riding performance.
- Improved oxidative stability and low evaporation loss.
- Guaranteed compatibility with catalytic converters and wet clutches.

### Meets and Exceeds

- API SP , API SN plus , API SN , API SL ,
- JASO MA2 (2023)

### Properties

- Outstanding oil film resistance at extreme conditions.
- Reliable lubrication for smooth clutch engagement and gear shifting.
- Prevents black sludge formation and reduces wear.
- Excellent shear stability and aging resistance.
- Compatible with all commercially available motor oils.

