


# MANNOL 4-Takt Motorbike 10W-60
## 7815

Innovative synthetic ester-based engine oil for high-performance four-stroke engines in sports cross motorcycles as well as pit bikes, motards etc. Designed for off-road (enduro, motocross, trial etc.) and on-road (stunt riding, supermoto etc.) use under extreme loads. Developed for reliable engine protection under extremely severe operating conditions (including prolonged high-rev operation) and ensuring gearbox durability.

Properties:

- A special additive package and synthetic base provide a high friction coefficient in friction components, preventing wear through anti-slip properties and ensuring precise and smooth clutch engagement during starts, acceleration and cruising – facilitating easy gear shifting;
- The ester-based formulation offers excellent lubricating, anti-wear and anti-scuffing properties, reducing fuel consumption and increasing engine power and service life. Reliably protects the cylinder-piston group and valve mechanism;
- Based on a stable ester-containing synthetic base designed for extreme conditions, it offers excellent thermo-oxidative stability and resistance to high temperatures, maintaining a highly durable oil film;
- Maintains stable viscosity characteristics under all operating conditions, including high shear rates. Rapidly reaches engine components during startup at all temperatures, including sub-zero;
- Special detergent-dispersant additives keep engine components perfectly clean, prevent carbon build-up in combustion chambers as well as piston ring zones and inhibit sludge and deposit formation even in unfavorable conditions;
- Excellent anti-foaming properties and low volatility ensure reduced oil consumption;
- Highly effective inhibitors provide outstanding corrosion protection;
- Neutral to seal materials;
- Effectively resists aeration, ensuring perfect operation of hydraulic tappets;
- Compatible with all exhaust aftertreatment systems.

Intended for petrol-powered four-stroke motorcycle engines of all types where SAE 10W-60 oil is recommended. Suitable for engines in ATVs, scooters and mopeds with air or liquid cooling, with or without integrated gearboxes, with wet or dry clutches and other motorcycles with or without catalytic converters, meeting Euro V standards and requiring API SP or lower as well as JASO MA2 performance levels. Ideal for fuel-injected engines.

Always follow the manufacturer’s instructions as specified in the engine user manual, especially regarding oil change intervals!

**Specifications**
SAE 10W-60
**Recommendation**
API SP
JASO MA2

## PACKAGING

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| | MN7815-4 | | |
| | MN7815-DR | | |
| | MN7815-20 | | |
| | MN7815-1 | | |