

Motul 300V Factory Line Road Racing 15W-50

Motul 300V Factory Line Road Racing 15W-50 4T Full Synthetic Engine Oil

Instruction Manual

1. INTRODUCTION

This manual provides essential information for the proper use and application of Motul 300V Factory Line Road Racing 15W-50 4T Full Synthetic Engine Oil. This advanced synthetic lubricant is specifically formulated for high-performance 4-stroke powersports engines, including motorcycles, dirt bikes, personal watercraft, snowmobiles, ATVs, UTVs, and side-by-sides. Utilizing ESTER Core® technology, this 15W-50 oil is designed to minimize friction, enhance power output, and ensure stability under demanding conditions. It is suitable for engines with or without catalytic converters, offering thermal resilience and maintaining engine cleanliness in high-load, high-temperature environments.



A 4-liter bottle of Motul 300V Factory Line Road Racing 15W-50 4T Full Synthetic Engine Oil, featuring the product name, viscosity, and Ester Core technology branding.

2. KEY FEATURES

Motul 300V Factory Line Road Racing 15W-50 offers several key advantages for high-performance engines:

- **100% Synthetic – ESTER Core Technology:** Formulated with advanced Ester Core technology for racing motorcycle lubricants.
- **Versatile Application:** Suitable for high-performance 4-stroke engines, with or without integrated gearbox, and wet or dry clutches. Applicable across various powersports vehicles including motorcycles, personal watercraft, dirt bikes, ATVs, UTVs, side-by-sides, and snowmobiles.
- **Optimized Power Output:** Motul's Ester Core Technology enables maximum engine power output while maintaining reliability and wear resistance.
- **Stable Oil Pressure:** Ensures consistent oil pressure under all operating conditions.
- **Wet Clutch Performance:** Verified for wet clutch compatibility through JASO T903 testing.

3. TECHNOLOGY OVERVIEW: ESTER CORE®

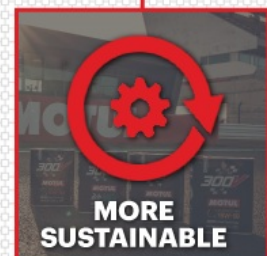
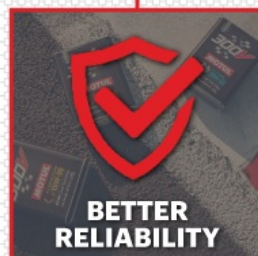
ESTER Core Technology is a proprietary Motul innovation designed to deliver superior lubrication. It involves a unique combination of different Esters, mPAOs, Alkylated Naphthalene (AN), and Group III base stocks, precisely blended according to the required viscosity. This synergy results in:

- Unmatched lubricity
- Excellent thermal stability
- Superior protection against fluid degradation
- Low oil consumption
- Outstanding interaction with the unique additive package

What is *ESTER* Core® Technology

ESTER Core Technology involves much more than just Esters. Formulating for the highest performance, without compromising protection, demands the best synergy from base oils and additives.

This is achieved through a unique combination of different Esters, mPAOs, Alkylated Naphthalene (AN), and Group III base stocks, in varying proportions depending on the viscosity. The result: unmatched lubricity, excellent thermal stability, superior protection against fluid degradation, low oil consumption, and outstanding interaction with the unique additive package.



A graphic explaining Motul's ESTER Core Technology, detailing how it provides improved performance, better reliability, improved compatibility, and increased sustainability through a unique blend of esters and base stocks.

4. APPLICATION GUIDELINES

4.1. Vehicle Compatibility

Motul 300V Factory Line Road Racing 15W-50 is designed for a wide range of high-performance 4-stroke powersports engines. Always refer to your machine's user manual for the manufacturer's recommended oil specifications and viscosity grade.

4.2. Oil Change Procedure

1. **Preparation:** Ensure the engine is warm to allow for better oil drainage. Park the vehicle on a level surface.
2. **Drain Old Oil:** Place a suitable drain pan beneath the engine. Remove the drain plug and allow all old oil to drain completely.
3. **Replace Filter:** Replace the oil filter according to your vehicle manufacturer's instructions. Apply a thin film of new oil to the new filter's gasket before installation.
4. **Refill with New Oil:** Reinstall the drain plug with a new washer (if required) and tighten to the manufacturer's specified torque. Carefully pour the new Motul 300V 15W-50 oil into the engine through the filler cap. Use a funnel to prevent spills.
5. **Check Level:** After filling, start the engine and let it run for a few minutes to circulate the oil. Turn off the engine, wait a few minutes for the oil to settle, then check the oil level using the dipstick or sight glass. Add more oil if necessary to reach the recommended level.



An individual wearing gloves and a work suit carefully pouring Motul 300V engine oil into a motorcycle engine, illustrating the oil change process.

4.3. Mixing with Other Lubricants

For optimum engine and gearbox performance, avoid mixing Motul 300V Factory Line Road Racing 15W-50 with other synthetic or mineral lubricants. Mixing can dilute the advanced properties of the Ester Core technology and potentially compromise performance and protection.

5. MAINTENANCE

Regular oil changes are crucial for maintaining engine health and performance. Always adhere to the oil change intervals recommended in your vehicle's user manual. Factors such as riding style (e.g., racing, aggressive street use) and environmental conditions may necessitate more frequent oil changes.



A Motul 300V 4-liter oil bottle positioned next to a high-performance motorcycle engine, indicating its intended use in powersports applications.

6. PRODUCT SPECIFICATIONS

Specification	Detail
Brand	Motul
Model	300V Factory Line Road Racing 15W-50
Item Model Number	104129
Viscosity	15W-50
Oil Type	100% Synthetic, Ester Core Technology
Vehicle Service Type	Motorcycle / Race Bikes

Specification	Detail
Flash Point	460 Degrees Fahrenheit
Size	4 Liter (1.05 US Gallon)
Item Weight	6.39 pounds
Product Dimensions	7.4 x 4.5 x 11.3 inches
UPC	192019097529

7. CONTENTS OF PACKAGING

Each package of Motul 300V Factory Line Road Racing 15W-50 typically includes:

- 4 Liters of Motul 300V FL RR 15W50 Full Synthetic Engine Oil with Ester Core Technology.
- 1 Branded, Sealed Motul 300V Bottle with Integrated Pouring Spout, made from 50% PCR Materials.

8. SAFETY INFORMATION

Always handle engine oil with care. Observe the following safety precautions:

- **Skin Contact:** Avoid prolonged or repeated skin contact with used oil. Wash thoroughly with soap and water after handling.
- **Eye Contact:** In case of contact with eyes, flush immediately with plenty of water and seek medical advice.
- **Ingestion:** Do not ingest. If swallowed, do not induce vomiting. Seek immediate medical attention.
- **Inhalation:** Ensure adequate ventilation. Avoid breathing oil mists or vapors.
- **Storage:** Store in a cool, dry place, away from direct sunlight and sources of ignition. Keep out of reach of children and pets.
- **Disposal:** Dispose of used oil and containers responsibly according to local regulations. Do not pour into drains or the environment.

9. SUPPORT & WARRANTY

For technical support, product inquiries, or information regarding warranty terms, please refer to the official Motul website or contact their customer service directly. Specific warranty details for lubricants are typically provided by the manufacturer and may vary.