



FULLY SYNTHETIC SPECIAL OIL

## Product Data Sheet

**Racing Performance** lubricants, totally synthetic, developed for sporting applications and race tested in the Motor Sport competitions. Formulated for most of 4-stroke Racing, Hypersport and Off-Road motorcycle engines, with both integrated and separate gearbox, with wet or dry clutch.

Developed to offer maximum engine performance in the extreme operating conditions that take place on the track. They always guarantee total protection and reliability of the engine even under extreme stress circumstances.

Containing the exclusive Bardahl technologies and the best formulation solutions available, they ensure significantly higher performance than conventional oils and an additional performance reserve compared to standards.

### **Bardahl Polar Plus + Fullerene:**

- Maximum engine protection even under critical lubrication circumstances; in such conditions of heavy loads, high temperatures and low lubrication supply, the oil film, tenaciously adhered to the lubricated parts, allows to avoid metal-metal contact and the consequent mechanical damage.

### **MCO Tailored Chemistry System:**

- The innovative 4-stroke motorcycle engines specific additivation allows to maximize engine, transmission and clutch efficiency, while providing total protection to all lubricated mechanical parts.
- Thanks to the balanced level of friction provided, it allows superior performance and durability of the clutch, as well as correct transfer of motion from the engine to the gearbox, for the benefit of greater acceleration and power.
- Allows to prevent the accumulation of deposits on the hottest parts of the engine and to counteract the damaging of gearbox from wear and pitting.

### **Radial Polymer Structure – Very High Shear Stability:**

- The radial structure polymer employed, having very high Shear Stability, ensures excellent performance in terms of tenacity of the lubricating oil film even in the most critical conditions of use. Minimizes lubricant's viscosity loss due to mechanical shear stress that occurs during operation, especially within the gearbox. It allows the formulation to maintain its viscosimetric properties over time and to maintain pumpability at low temperature, providing advantages in terms of protection from wear and prolonging the oil's lifespan.

### **Entirely formulated with PAO + Synthetic esters:**

- The particular composition obtained from the exclusive combination of polyalphaolefins (PAO) and esters, allows the formulations to achieve superior performance in terms of resistance to thermal decay by oxidation and evaporation, fluidity at low temperatures and lubricating power.

#### **Maroil s.r.l. – Bardahl Italia**

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### SAE 0W-30

Enhances engine performance allowing a greater efficiency in maximum mechanical reliability. Suitable for engines that specifically require extremely fluid lubricants.

### SAE 5W-40

Maximizes engine performance, ensuring superior protection even in the most critical lubrication conditions.

### SAE 10W-60

Ensures maximum engine protection even in the most critical conditions of lubrication. Particularly suitable where a greater control of oil viscosity decay caused by excessive temperature rise and fuel dilution is needed.

### PERFORMANCE LEVEL

JASO T 903 for wet clutch

### CHEMICAL-PHYSICAL CHARACTERISTICS

SAE	Viscosity 40°C cSt	Viscosity 100°C cSt	Density 15°C kg/l	Viscosity Index	Flash Point	Pour Point	T.B.N. mg KOH/g
0W-30	69,5	12,3	0,852	178	209	-51	8
5W-40	93,9	14,8	0,856	165	209	-51	8
10W-60	152,36	22,5	0,858	177	207	-51	8,5

*Values mentioned in this table are indicative and variable within certain tolerances*

### STORAGE

Store in the original closed packaging, maintaining it indoors, protected from moisture, direct exposure to sunlight and weather conditions. Avoid continuous and excessive temperature changes.

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