



FULLY SYNTHETIC SPECIAL OIL

## Product Data Sheet

**Premium Performance** lubricants, totally synthetic, intended for the most demanding users for both sporting and non-sporting applications. Formulated for most of 4-stroke Cross, Enduro, On/Off-Road motorcycle and ATV engines, with both integrated and separate gearbox, with wet or dry clutch.

Developed to offer the best performance on engines operating at high temperatures and rotation speeds, in all driving conditions and on the most insidious surfaces, such as sand and mud. They always guarantee maximum engine protection 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.
- Optimized formulation for Off-Road applications.

### **Radial Polymer Structure - High Shear Stability:**

- The radial structure polymer employed, having 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.

### **Formulated with high-quality synthetic bases at high viscosity index:**

- The use of special synthetic bases at high viscosity index allows the formulations to achieve superior resistance to thermal decay by oxidation, to evaporation and superior fluidity at low temperatures.

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

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### SAE 10W-40

Ensures maximum engine protection even in the most critical conditions of lubrication, while allowing excellent energy efficiency.

### SAE 10W-50

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

### PERFORMANCE LEVEL

API SN, JASO MA / MA2

### 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
10W-40	103,8	15,2	0,858	154	211	-45	8
10W-50	119,7	18,3	0,854	171	213	-42	8

*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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