



MOTUL 510 2T

2-Stroke Engine Lubricant
Premix or injector systems
Technosynthese®

TYPE OF USE

510 2T is a semi-synthetic lubricant designed for all 2-stroke engines, including motorcycles and mopeds, road bikes, trail, off-road and enduros, scooters and ATVs operating equipped with an injection system or carburetors.

This oil is suitable for premix or engines fitted with an oil pump and injector and can be used with all types of gasoline fuels – leaded or unleaded, with or without ethanol, and biofuels. It is fully compatible with catalytic converters.

PERFORMANCES

STANDARDS

API TC
ISO -L-EGD
JASO FD (under N° 033MOT078)

The Japanese JASO M345 standard is based on four engine bench tests designed to evaluate key 2-stroke lubricant properties: lubricity, detergency, smoke reduction, and deposit control. JASO FD represents the highest level within this standard, providing superior engine cleanliness compared to JASO FC.

This Technosynthese® lubricant uses a special synthetic base that provides exceptional protection against engine wear. The highly combustible synthetic base also reduces smoke and deposits and mixes instantly and consistently with gasoline.

RECOMMENDATIONS

Mixing ratio: 2% to 4% (50:1 to 25:1) according to manufacturer specifications.
Adjust the ratio based on your specific use and operating conditions.

PROPERTIES

Color

Visual

Green

We retain the right to modify the general characteristics of our products in order to offer to our customers the latest technical development.

Product specifications are definitive from the order which is subject to our general conditions of sale and warranty.

MOTUL - 119 Bd Félix Faure - 93303 - Aubervilliers Cedex - BP 94 - FRANCE - Tel: 33 1 48 11 70 00 - Fax: 33 1 48 33 28 79 - www.motul.com

motul.com

10/25



MOTUL 510 2T

2-Stroke Engine Lubricant
Premix or injector systems
Technosynthese®

Density at 20°C (68°F)	ASTM D1298	0.859
Viscosity at 40°C (104°F)	ASTM D445	71.5 mm²/s
Viscosity at 100°C (212°F)	ASTM D445	10.2 mm²/s
Viscosity Index	ASTM D2270	126.0
Pour point	ASTM D97	-33.0 °C / -27.0 °F
TBN	ASTM D2896	1.6 mg KOH/g
Flash point	ASTM D92	146.0 °C / 295.0 °F

We retain the right to modify the general characteristics of our products in order to offer to our customers the latest technical development.

Product specifications are definitive from the order which is subject to our general conditions of sale and warranty.

MOTUL - 119 Bd Félix Faure - 93303 - Aubervilliers Cedex - BP 94 - FRANCE - Tel: 33 1 48 11 70 00 - Fax: 33 1 48 33 28 79 - www.motul.com