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Multi HD MBK

SAE 20W-50

High performance mineral lubricant specific for latest generation 4 stroke motorbike engines.

Particularly recommended for air-cooled motorbike engines.

PAKELO MULTI HD MBK SAE 20W-50 is a high performance, mineral, multigrade lubricant, specific for four stroke motorbike engines.

The product provides the following characteristics:

- use of selected high quality mineral base stocks for a better thermal stability
- resistance to oxidation and to carbon residues formation, even under high working temperatures
- good detergent properties to maintain engine clean in every working condition
- high anti-wear protection of components such as camshaft and transmission parts working under extreme conditions. The product keeps the best lubrication and the correct film thickness between engine and transmission contacts
- anti-corrosion and anti-foam properties
- low volatility that reduces oil losses caused by evaporation
- highly recommended also for motorbike engines with wet clutch lubrication. It guarantees the correct friction coefficient and thus prevents slippage during power transfer
- compatible with all the lubricants that have the same application. However, we recommend to avoid mixing it with other products for not undermining its excellent properties

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Application fields

PAKELO MULTI HD MBK SAE 20W-50 is specifically studied for four stroke engines of motorbikes, both with or without lubrication of wet clutches and transmission.

The product is also particularly recommended for lubrication of air-cooled 4 stroke motorbike engines. These engines usually operate at high working temperature and thus they need viscous lubricants to guarantee correct film thickness and reduced volatility to minimize oil consumption.

Oil drain intervals are usually specified by OEMs and/or on-board electronic devices of latest generation motorbikes.

Their recommendations should be taken into consideration to guarantee engine and/or transmission reliability.

Performance levels

API SJ, JASO MA2.

Chemical-Physical Characteristics

Multi HD MBK	Method analysis	Unit measure	Value SAE 20W-50
Density at 15°C	ASTM D1298	kg/l	0,883
Kinematic Viscosity at 40°C	ASTM D445	cSt	160,4
Kinematic Viscosity at 100°C	ASTM D445	cSt	18,5
Viscosity Index	ASTM D2270	-	130
C.C.S. Viscosity at -15°C	ASTM D5293	cP	6.400
HT-HS Viscosity at 150°C / 10 ⁶ s ⁻¹	ASTM D4683	cP	4,70
T.B.N. (Total Base Number)	ASTM D2896	mg(KOH)/g	6,2
Sulphated Ash	ASTM D874	% (w/w)	0,80
Flash Point (C.O.C.)	ASTM D92	°C	220
Pour Point	ASTM D97	°C	-33
Noack evaporability test	ASTM D5800	% (w/w)	6,6

The data just above refer to average values and must not be understood as guaranteed characteristics.

This Technical Data Sheet has been carefully checked to guarantee complete and precise information. However, we do not take any responsibility in case of damages caused by any mistakes or omissions. Due to continual product research and development, the information contained herein is subject to change without notification.