Makina Grease & Lubricants Manufacturing L.L.C.

Unimax HD Plus

Description

Makinalube Unimax HD Plus is superior quality fuel-saving multi-grade motor oil formulated to meet most American, European and Asian equipment manufacturers' service fill specifications. Its formulation is specifically designed for fuel economy, stop and go operations as well as for high speed high temperature long distance driving. Makinalube Unimax HD Plus meets API Service Classification SL/CF.

Application

Makinalube Unimax HD Plus is formulated with high quality base oils and a proven shear stable viscosity index improver to provide easy starting in winter, as well as excellent viscosity retention and low oil consumption under high temperature operating conditions. It contains a highly effective friction modifier for improved fuel economy and the most advanced additive package designed to keep pistons and rings deposit-free despite adverse operating conditions. This product minimizes harmful varnish deposits and piston ring and valve train wear. In addition, it provides excellent protection against rust, corrosion and foaming.

Makinalube Unimax HD Plus is recommended for year round use in passenger cars and vans with naturally aspirated or turbocharged diesel and gasoline engines, where a premium quality motor oil of API SL/CF performance level is required.

Follow the equipment manufacturer's recommendations for required lubricant performance levels and viscosity grades.

Typical Characteristics

PROPERTIES	UNITS	TEST METHOD	VALUE			
SAE Grade		DIN 51 511	10W-30	10W-40	15W-40	20W-50
Density @ 15 ºC	kg/m^3	ASTM D-4052	882	870	885	891
Viscosity @ - 25 ºC	mPa.s	ASTM D-5293	6000	6000	-----	-----
Viscosity @ - 20 ºC	mPa.s	ASTM D-5293	-----	-----	6000	-----
Viscosity @ - 15 ºC	mPa.s	ASTM D-5293	-----	-----	-----	7000
Viscosity @ 100 ºC	mm^2/s	ASTM D-445	11.4	15.1	15.1	18.5
Viscosity Index		ASTM D-2270	142	150	135	130
Flash Point, COC	ºC	ASTM D-92	220	230	230	236
Pour Point	ºC	ASTM D-97	-27	-30	-24	-24
Base Number	mg KOH/g	ASTM D-2896	10	10	10	10