



# Makina Grease & Lubricants Manufacturing L.L.C.

## Pro-Syn

### Description

Makinalube Pro-Syn is premium 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 Pro-Syn meets API Service Classification SL/CF, SM, SN.

### Application

Makinalube Pro-Syn 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 Pro-Syn 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, SM, SN 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				
			5W-20	5W-30	5W-40	10W-30	10W-40
SAE Grade		DIN 51 511	5W-20	5W-30	5W-40	10W-30	10W-40
Density @ 15 °C	kg/m <sup>3</sup>	ASTM D-4052	855	8554	856	868	8685
Viscosity @ - 30 °C	mPa.s	ASTM D-5293	6000	6000	6000	---	----
Viscosity @ - 25 °C	mPa.s	ASTM D-5293	----	----	----	6500	6500
Viscosity @ 100 °C	mm <sup>2</sup> /s	ASTM D-445	8.6	11	15	11	15
Viscosity Index		ASTM D-2270	175	175	175	150	150
Flash Point, COC	°C	ASTM D-92	230	230	230	230	230
Pour Point	°C	ASTM D-97	-39	-39	-39	-30	-30
Base Number	mg KOH/g	ASTM D-2896	8.5	8.5	8.5	8	8