



F SUPER

GASOLINE ENGINE OIL

DESCRIPTION

F Super series are high performance multigrade lubricants for gasoline engines of advanced technology. They are produced from high quality paraffinic base oils and new technology additives. They provide superior engine protection and cleanliness under all driving conditions. They comply with the updated requirements of major vehicle's manufacturers and international organizations **API SL, ACEA A3/B3/B4**

APPLICATIONS

F Super lubricants are intended for the lubrication of all four-stroke engines including all naturally aspirated, turbocharged and multi-valve passenger car engines, fuelled by either gasoline, diesel or LPG. They are excellent for use in all driving conditions, including the most severe ones, like stop and go in city driving or hauling heavy trailers at high speeds for long periods of time.

PROPERTIES - BENEFITS

PROPERTIES	BENEFITS
High viscosity index multigrade oils	Better pumpability offers more protection during cold start. Suitable for all-season use.
Low volatility	Minimization of oil consumption enables extended oil drain intervals
Low ash content	Extends catalyst life
Outstanding wear and rust protection of critical engine's parts	Reduction operation's and maintenance's costs
Exceptional thermal and oxidation stability	Minimizes the hard deposits and sludge formation during hot running operation. Increase engine efficiency.

PHYSICAL CHARACTERISTICS

F SUPER	METHOD	SAE 15W-40	SAE 15W-50	SAE 20W-50
Density at 15°C, g/cm ³	ASTM D1298	0,884	0,888	0,896
Dynamic viscosity, cP	ASTM D5293	-20°C/6500	-20°C/6600	-15°C/7900
Viscosity, Kinematic, (cSt) 100°C	ASTM D445	14,3	18,8	19,1
Viscosity, Kinematic, (cSt) 40 °C	ASTM D445	106,5	144,3	176,6
Viscosity index	ASTM D2270	137	148	124
Flash point, COC, °C	ASTM D92	230	218	244
Pour point , °C	ASTM D97	-30	-30	-27

The mentioned characteristics represent mean values

SPECIFICATIONS

API: SL/CF ACEA: A3/B3/B4 MB 229.1
 VW : 501.01/505.00 PSA E&D JASO "SG"