

Super KSA

DISCRIPTION

Super KSA is high performance multi-grade passenger vehicle engine oils that exceed the latest industry standards required in today's gasoline and diesel automobile engines *Super KSA* formulated from high quality base oils blended with high performance additives to provide protection and high performance for your engine, flow through the engine faster offering super protection during engine start-up when most engine wear occurs. It remains fluid at low temperatures and provides outstanding protection under the most extreme cold weather conditions. Despite its greater fluidity at start-up and low temperatures, *Super KSA* provides the protection as the engine operating temperatures increase.

APPLICATION

Super KSA is recommended for use in all types of modern passenger cars and light commercial vehicles powered by petrol and diesel engines. It is particularly recommended for high performance engines, including those which are multi-valves and/or turbocharged. It is not recommended for two-stroke or aviation engines, where API SL or SJ performance is needed, also meet ILSAC GF-3, ACEA A3/B3.

BENEFITS

- Good thermal and oxidation stability reduce engine deposits, build-up of harmful sludge and deposit produced in the hot zones within an engines.
- Friction fighting anti-wear system reduce wear which can lead to lower maintenance costs.
- Cleaning agent's clean running engine leading to longer engine life and more reliable operation.
- High Viscosity Index and shear stability improve lubrication at normal and high temperatures, provide excellent high and low temperature protection in severe driving conditions

Performance

API	SL/CF
ILSAC	GF-3
ACEA	A3/B3
Daimler Chrysler	MB 229.1

Specifications

Test Parameter	Units	Test Limits			Test Method
		10W30	15W40	20W50	
SAE Grade	-	10W30	15W40	20W50	-
Appearance	-	C&B	C&B	C&B	Visual
Density @ 15°C	g/cm ³	0.868	0.875	0.879	ASTM D-4052
Viscosity @ 40°C	cSt	70.25	110.4	160.1	ASTM D-445
Viscosity @ 100°C	cSt	11.51	14.5	18.2	ASTM D-445
Viscosity Index	-	138	130	128	ASTM D- 2270
CCS	mPa-S	7000@-25	7000@-20	9300@-15	ASTM D-5293
Flash Point (COC)	°C	230	238	244	ASTM D-92
Pour Point	°C	- 33	-27	- 24	ASTM D-97
TBN	mg/g	6.1	6.1	6.1	ASTM D-2896

- These specifications are typical of current production. Whilst future production will confirm to SASO specifications. Variations on these specifications may be occurring.