



Extra Life *Engine Oil*

DISCRIPTION

Extra Life is high performance multi-grade passenger vehicle engine oils that exceed the latest industry standards required in today's gasoline and diesel automobile engines.

Extra Life 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, **Extra Life** provides the protection as the engine operating temperatures increase.

Extra Life keep engines running cleanly, smoothly and protects through a combination of high quality conventional mineral oils and a premium performance additive system, maintain engine cleanliness preventing the buildup of harmful deposits, sludge and varnish; and fight wear and corrosion under a variety of driving conditions.

APPLICATION

Extra Life 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.





PRODUCT DATA SHEET

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

Extra Life available in 10W30, 10W40, 15W40, 10W50, 20W50, 15W50, 20W40 and 5W50 SAE grades





PRODUCT DATA SHEET

Specifications

Test Parameter	Units	Test Limits				Test Method
SAE Grade	-	10W30	10W40	15W40	10W50	-
Appearance	-	C&B	C&B	C&B	C&B	Visual
Density @ 15°C	g/cm ³	0.880	0.887	0.887	0.889	ASTM D-4052
Viscosity @ 40°C	cSt	70	100	108	154	ASTM D-445
Viscosity @ 100°C	cSt	9.3-12.4	12.5-16.2	12.5-16.2	16.3-21.8	ASTM D-445
Viscosity Index, min.	-	130	128	125	122	ASTM D- 2270
CCS, max	mPa-S	7000@-25	7000@-25	7000@-20	7000@-25	ASTM D-5293
Flash Point min.	°C	230	240	246	250	ASTM D-92
Pour Point, max.	°C	- 30	-30	-27	- 24	ASTM D-97
TBN, min	mg/g	7	7	7	7	ASTM D-2896
Code	-	105/1	105/2	105/3	105/4	-

Test Parameter	Units	Test Limits				Test Method
SAE Grade	-	20W50	15W50	20W40	5W50	-
Appearance	-	C&B	C&B	C&B	C&B	Visual
Density @ 15°C	g/cm ³	0.891	0.890	0.890	0.880	ASTM D-4052
Viscosity @ 40°C	cSt	163	158	160	148	ASTM D-445
Viscosity @ 100°C	cSt	16.3-21.8	16.3-21.8	16.3-21.8	16.3-21.8	ASTM D-445
Viscosity Index, min.	-	120	122	120	125	ASTM D- 2270
CCS, max	mPa-S	9300@-15	7000@-20	7000@-25	6600@-30	ASTM D-5293
Flash Point min.	°C	256	250	246	248	ASTM D-92
Pour Point, max.	°C	- 18	-21	-18	- 27	ASTM D-97
TBN, min	mg/g	7	7	7	7	ASTM D-2896
Code	-	105/5	105/6	105/7	105/8	-

