

Group II/II+ Typical Properties

Chevron's premium base oils have exceptional oxidation stability, low volatility for a given viscosity grade and are virtually sulphur-free making them an excellent alternative for blending high-performance, Low SAPS* automotive engine oils, as well as process and industrial oils.

* SAPS – Sulphated Ash, Phosphorous, Sulphur

Property	ASTM Methods*	60R	100R	150R	220R	600R	110RLV
API Base Oil Category	API 1509 E.1.3		Group II	Group II	Group II	Group II	Group II+
Appearance@22.2°C-25.5°C	SM 360-99 BO	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear	Bright & Clear
Color	ASTM D1500	L0.5	L0.5	L0.5	L0.5	L0.5	L0.5
API Gravity, deg.	ASTM D4052	32.9	34.4	34.0	32.1	31.0	36.0
Density, lb/gal	ASTM D4052	7.167	7.102	7.119	7.202	7.251	7.034
Density, kg/l	ASTM D4052	0.860	0.853	0.85	0.865	0.870	0.844
Specific Gravity @ 60°F/60°F	ASTM D4052	0.861	0.853	0.855	0.865	0.871	0.845
Viscosity @ 40°C, cSt	ASTM D445	10.5	20.0	29.4	41.0	106	21.7
Viscosity @ 100°C, cSt	ASTM D445	2.6	4.08	5.24	6.3	12.0	4.45
Viscosity @ 100°F, SUS	ASTM D2161	64	106	150	212	530	113
Viscosity Index	ASTM D2270	70	102	112	102	102	117
CCS @ -20°C, cP	ASTM D5293	N/A	N/A	1400	3200	N/A	822
CCS @ -25°C, cP	ASTM D5293	N/A	1325	2660	5600	N/A	1300
CCS @ -30°C, cP	ASTM D5293	N/A	2650	5070	N/A	N/A	2450
Pour Point, °C	ASTM D5950/1C	-33	-15	-15	-15	-15	-15
Flash Point, COC, °C	ASTM D92	165	206	220	230	265	220
Volatility, wt. % distilled at 700°F/371°C	ASTM D2887	N/A	15	N/A	N/A	N/A	N/A
Evaporative loss, Noack wt%	ASTM D5800(B)	N/A	25	14	11	2	16
Water, ppm	ASTM D6304	50	<50	<50	<50	<50	<50
Sulphur, ppm	ASTM D5453	<6	<6	<6	<6	<6	<6
Saturates, HPLC wt. %	Chevron	>99	>99	>99	>99	>99	>99
Aromatics, HPLC wt. %	Chevron	<1	<1	<1	<1	<1	<1
Availability		60R	100R	150R	220R	600R	110RLV
US West Coast			X		X	X	X
US Gulf Coast		X	X		X	X	X
Latin America		X	X		X	X	
Europe		X	X		X	X	
Asia Pacific			X	X	X	X	
Africa			X		X	X	

* Selected equivalent test methods may be used, coordinate with your Chevron representative

Global Availability

Customers enjoy a short supply chain and excellent supply reliability due to Chevron's centrally located supply hubs and production locations around the world. Lubricant marketers can reduce the number of formulations necessary to meet global and regional

Africa, Middle East & Pakistan: +971 4 313 3907

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Europe: +32 9 293 7100

Latin America: +55 21 2510 7241

North America: +1 925 842 8788

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