Group II/II+ Specifications

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
API Base Oil Category	API 1509 E.1.3		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
API, Gravity, deg C	ASTM D4052	Report	Report	Report	Report	Report
Color	ASTM D1500	0.5 (MAX)	1.0 (MAX)	1.0 (MAX)	1.5 (MAX)	1.5 (MAX)
Viscosity @ 40°C, cSt	ASTM D445	9.0 – 11.5	Report	Report	40.0 – 46.0	100 (MIN)
Viscosity @ 100°C, cSt	ASTM D445	Report	4.15 – 4.55	5.0 – 5.4	Report	11.7 – 12.9
Viscosity Index	ASTM D2270	Report	116 (MIN)	100 (MIN)	95 (MIN)	95 (MIN)
CCS @ -20°C, cP	ASTM D5293	N/A	N/A	1850 (MAX)	3600 (MAX)	N/A
CCS @ -25°C, cP	ASTM D5293	N/A	1500 (MAX)	N/A	N/A	N/A
CCS @ -30°C, cP	ASTM D5293	N/A	N/A	N/A	N/A	N/A
Pour Point, °C	ASTM D5950/1C	-30 (MAX)	-12 (MAX)	-12 (MAX)	-12 (MAX)	-12 (MAX)
Flash Point, COC, °C	ASTM D92	155 (MIN)	205 (MIN)	200 (MIN)	212 (MIN)	246 (MIN)
Evaporative loss, Noack wt%	ASTM D5800 (B)	N/A	17 (MAX)	15 (MAX)	10 (MAX)	N/A
Brookfield Vis at -40C, cP	ASTM D2983	N/A	20000 (MAX)	N/A	N/A	N/A
Water, ppm	ASTM D6304	Report	Report	Report	Report	Report
Sulphur, ppm	ASTM D5453	Report	Report	Report	Report	Report
Availability		**60R**	**100R**	**150R**	**220R**	**600R**
US West Coast			X		X	X
US Gulf Coast		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 performance specifications because Chevron branded base oils are technically substitutable regardless of supply location.

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

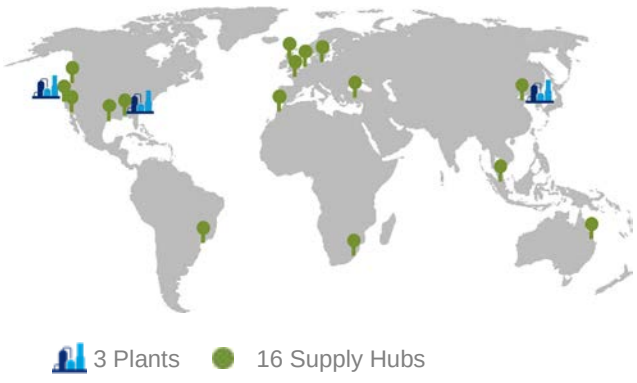
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