ExxonMobil

SpectraSyn Plus™ 5

Advanced Polyalphaolefin (PAO) Fluid

Product Description

SpectraSyn Plus™ Advanced Polyalphaolefin (PAO) provide an optimal combination of volatility and low-temperature fluidity. SpectraSyn Plus™ Advanced PAO products viscosity indices translate into improved flow at low temperatures and increased film thickness at high temperatures. SpectraSyn Plus™ Advanced PAO provide superior lubrication as the primary basestocks for synthetic lubricants used in passenger car engines, heavy-duty diesel engines, transmissions, and a variety of industrial applications. SpectraSyn Plus™ Advanced PAO can be used for upgrading mineral oil or Group III basestocks for improved low temperature and volatility performance.

General

Availability [1]	▪ Africa & Middle East ▪ Asia Pacific	▪ Europe ▪ Latin America	▪ North America
Revision Date	▪ 07/13/2022		

Basics	Typical Value (English)		Typical Value (SI)		Test Based On
Specific Gravity (60.1°F (15.6°C))	0.825		0.825		ASTM D4052
Appearance (0°F (-18°C))	Bright & Clear		Bright & Clear		Visual
Color	< 0.5		< 0.5		ASTM D1500
Kinematic Viscosity					ASTM D445
212°F (100°C)	5.2	cSt	5.2	mm^2/s	
104°F (40°C)	25.4	cSt	25.4	mm^2/s	
Viscosity Index	144		144		ASTM D2270
Pour Point	-60	°F	-51	°C	ASTM D5950/D97
Flash Point, COC	464	°F	240	°C	ASTM D92
Noack Volatility	5.5	wt%	5.5	wt%	ASTM D5800/DIN 51581
Water	< 50	ppm	< 50	ppm	ASTM D6304
Total Acid Number	< 0.05	mg KOH/g	< 0.05	mg KOH/g	ASTM D974 (mod)

Flow	Typical Value (English)		Typical Value (SI)		Test Based On
Apparent Viscosity by Mini-Rotary Viscometer [2]					ASTM D4684
-40°F (-40°C)	< 5000	cP	< 5000	cP	
Cold Cranking Simulator [2] (-31°F (-35°C))	2400	cP	2400	cP	ASTM D5293

Legal Statement

For detailed Product Stewardship information, please contact Customer Service.

Notes

Typical properties: these are not to be construed as specifications.

[1] Product may not be available in one or more countries in the identified Availability regions. Please contact your Sales Representative for complete Country Availability.

[2] Single sample or two sample average determinations

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For additional technical, sales and order assistance: Contact Us

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