



## SUNOCO CHALLENGE AC SYNTHETIC COMPRESSOR FLUIDS

### OVERVIEW

SUNOCO CHALLENGE AC SYNTHETIC COMPRESSOR FLUIDS are fully synthetic compressor lubricants manufactured from the highest quality PAO base stocks and are fully formulated for rotary screw, centrifugal, vane and reciprocating compressors. SUNOCO CHALLENGE AC SYNTHETIC COMPRESSOR FLUIDS provide many advantages over both conventional and many other synthetic compressor fluids due to their low pour points, high viscosity indices, and excellent extreme demulsibility. SUNOCO CHALLENGE AC SYNTHETIC COMPRESSOR FLUIDS are your final compressor fluid solution!

### FEATURES & BENEFITS

SUNOCO CHALLENGE AC SYNTHETIC COMPRESSOR FLUIDS provide outstanding oxidation and thermal stability, allowing customers to extend their service and drain intervals. Their wider operating ranges allow for use in many applications and environments and SUNOCO CHALLENGE AC SYNTHETIC COMPRESSOR FLUIDS are compatible with many different lubricants.

### APPLICATIONS

SUNOCO CHALLENGE AC SYNTHETIC COMPRESSOR FLUIDS are specifically formulated for the lubrication of centrifugal, rotary screw, reciprocating or rotary vane compressors. SUNOCO CHALLENGE AC SYNTHETIC COMPRESSOR FLUIDS are also used for ball and roller bearings as well as applications where extreme low or high temperatures are experienced.

### TYPICAL PROPERTIES

ISO GRADE	92143	92153	92163	92173	92183
@ 40° C cSt	32	46	68	100	150
@ 100° C cSt	32	43.2	66	93	142
@ 100° F SUS	5.80	7.34	9.8	12.5	16.3
@ 210° F SUS	163	220	339	482	737
Viscosity Index	45.7	50.4	59.6	69.8	85.1
Specific Gravity	126	134	132	130	122
Density, lbs/gal	.8510	.8535	.8610	.8620	.8899
Flash Point, °F (°C)	7.112	7.129	7.170	7.179	7.410
Pour Point °F (°C)	490(254)	525(273)	520(271)	535(279)	535(279)
Autoignition Temp., °F (°C)	-81(-63)	-38(-39)	-44(-42)	-44(-42)	-40(-40)
Emulsion Tendency	730(388)	745(396)	745(396)	760(404)	760(404)
	40/40/0 10 Mins.	40/40/0 10 Mins.	40/40/0 20 Mins.	40/40/0 15 Mins.	42/38/0 15 Mins.