ExxonMobil Exterex™ A41 Synthetic Fluid

Category : Fluid , Lubricant

Material Notes:

Product Description: Esterex™ Adipate Esters are API category Group V fluids. These esters have excellent low-temperature properties, high viscosity indices, good lubricating properties and low volatilities. Esterex™ Adipate Esters can be used as sole basestocks or blendstocks with other synthetic fluids in many automotive and industrial lubricant applications. These esters are ideal in high-temperature conditions, such as reciprocating air compressors, where discharge valve cleanliness is required. Appearance: Bright & ClearAvailability: Asia Pacific, Central America, North America and South AmericaInformation provided by ExxonMobil

Order this product through the following link:
http://www.lookpolymers.com/polymer_ExxonMobil-Exterex-A41-Synthetic-Fluid.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc @Temperature 15.6 °C	0.0333 lb/in³ @Temperature 60.1 °F	ASTM D4052
Viscosity Measurement	144	144	Index; ASTM D2270
Kinematic Viscosity	3286 cSt @Temperature -40.0 °C	3286 cSt @Temperature -40.0 °F	ASTM D445
Kinematic Viscosity at 40°C (104°F)	14 cSt	14 cSt	ASTM D445
Kinematic Viscosity at 100°C (212°F)	3.6 cSt	3.6 cSt	ASTM D445
Evaporation Loss	22.3 % @Temperature 205 °C, Time 23400 sec	22.3 % @Temperature 401 °F, Time 6.50 hour	ASTM D972

Thermal Properties	Metric	English	Comments
Pour Point	-57.2 °C	-71.0 °F	ASTM D5950/D97
Flash Point	231 °C	448 °F	COC; ASTM D92
	249 °C	480 °F	PMCC; ASTM D92

Optical Properties	Metric	English	Comments
Refractive Index	1.4505	1.4505	ASTM D1218

Chemical Properties	Metric	English	Comments
Acid Value	0.010	0.010	[mg KOH/g]; ASTM D974 (mod)

Descriptive Properties	Value	Comments
Aniline Point	<68°F	ASTM D611
Biodegradation	0.765	OECD 301F
Color	<0.5	ASTM D1500
Composition	Water	<500 ppm, ASTM D6304 (mod)
Density Correction Factor	0.000718 (g/cc)/°C	ASTM D1250
Elastomer Compatibility	-0.04	Fluoroelastomer Hardness Change, ASTM D471
	-0.066	Fluoroelastomer Tensile Strength Change, ASTM D471
	0.083	Fluoroelastomer Volume Change, ASTM D471
	-0.091	Fluoroelastomer Elongation Change, ASTM D471
	-0.12	Nitrile Hardness Change, ASTM D471
	-0.17	Polyacrylate Hardness Change, ASTM D471
	-0.22	Polyacrylate Elongation Change, ASTM D471
	0.235	Nitrile Volume Change, ASTM D471
	-0.383	Polyacrylate Tensile Strength Change, ASTM D471
	-0.413	Nitrile Elongation Change, ASTM D471
	0.427	Polyacrylate Volume Change, ASTM D471
	-0.505	Nitrile Tensile Strength Change, ASTM D471
Fire point	480°F	COC, ASTM D92
Hydrolytic Stability, TAN Change	0.13 mg KOH/g	ASTM D2619
Kauri-Butanol Value	72	ASTM D1133
Noack Volatility	0.156	ASTM D5800/DIN 51581
RPVOT	>1210 min	With AO, ASTM D2272
	415 min	Neat, ASTM D2272

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