

# Esterex™ A51

## Synthetic Fluid

### 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.

Properties	Minimum	Maximum	Unit	Test Method
Specific Gravity <sup>1</sup> (15.6°C)	0.913	0.920		ASTM D4052
Appearance <sup>1</sup>	Bright & Clear	--		Visual
Color <sup>1</sup>	--	0.5		ASTM D1500
Density <sup>1</sup> (15.6°C)	Report	--	g/ml	
Kinematic Viscosity <sup>1</sup>				ASTM D445
100°C	5.10	5.50	cSt	
40°C	25.5	29.0	cSt	
Viscosity Index <sup>1</sup>	Report	--		ASTM D2270
Pour Point <sup>1</sup>	--	-54	°C	ASTM D5950/D97
Flash Point, COC <sup>1</sup>	220	--	°C	ASTM D92
Water <sup>1</sup>	--	350	ppm	ASTM E1064
Total Acid Number <sup>1</sup>	--	0.05	mg KOH/g	ASTM D974 (mod)

### Notes

<sup>1</sup> Test reported on Certificate of Analysis

For additional technical, sales and order assistance: [www.exxonmobilchemical.com/ContactUs](http://www.exxonmobilchemical.com/ContactUs)

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