

# VISCOPEX® 8-944

An Efficient VI Improver for Tractor Hydraulic Lubricants

A RohMax Product



## Function

Dispersant viscosity index improver.

## Performance

VISCOPEX® 8-944 is recommended for use in hydraulic/transmission tractor fluids. It allows formulators to meet the low-temperature requirements and shear stability specifications of John Deere JDM-J20C/D.

VISCOPEX® 8-944 offers high VI improvement and thickening efficiency.

Typical addition rate: 5 % wt.

## Composition

VISCOPEX® 8-944 is a solution of polyalkyl methacrylate (PAMA) in highly refined mineral oil.

## Physical Data

Table 1 lists representative physical properties. (These do not constitute specifications.)

## Blending Efficiency

The contribution to the kinematic viscosity at 100 °C of VISCOPEX® 8-944 in straight mineral base oils is shown in Table 2.

## VISCOPEX® Series 8 Hydraulic Fluid Viscosity Index Improvers

**Typical Physical Properties of VISCOPEX® 8-944**

Table 1	
Visual Appearance	Clear to slightly hazy, pale yellow to amber viscous liquid
Color (ASTM D1500)	3
Viscosity at 100 °C, mm <sup>2</sup> /s (ASTM D445)	1,170
Density at 15 °C, g/cm <sup>3</sup> (ASTM D4052)	0.91
Flash Point, °C (ASTM D3278)	170
Shear Stability Index (P-SSI)	
30 Passes (DIN 51382)	45
250 Passes (DIN 51382)	56
Sonic Test (ASTM D5621) (P-SSI/wt %)	76/5.0

**Table 1 Thickening Effect of VISCOPEX® 8-944 at 100 °C**

	100 N			150 N			200 N			350 N		
	0	5	10	0	5	10	0	5	10	0	5	10
VISCOPEX® 8-944, % wt												
Viscosity at 100 °C, mm <sup>2</sup> /s	4.1	7.3	12.1	5.2	9.2	15.1	6.1	10.6	17.1	8.2	13.6	21.5

## Density

The typical density of VISCOPLEX® 8-944, as a function of temperature, is given in Figure 1.

## Bulk Viscosity

The typical bulk viscosity of VISCOPLEX® 8-944, as a function of temperature, is given in Figure 2.

## Additional Information

For additional information on product availability, performance data and Material Safety Data Sheets, please contact your RohMax account manager or Customer Service Representative.

For an overview of our entire VISCOPLEX® and VISCOBASE® product range and complete information on handling and storage, please visit the Products & Applications section on our website [www.rohmax.com](http://www.rohmax.com).

Figure 1 Density vs. Temperature

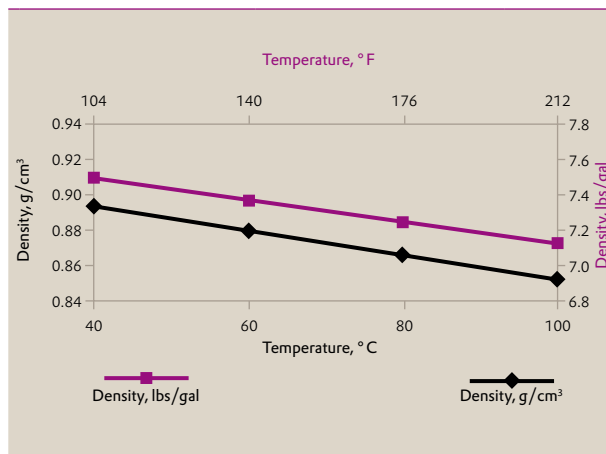
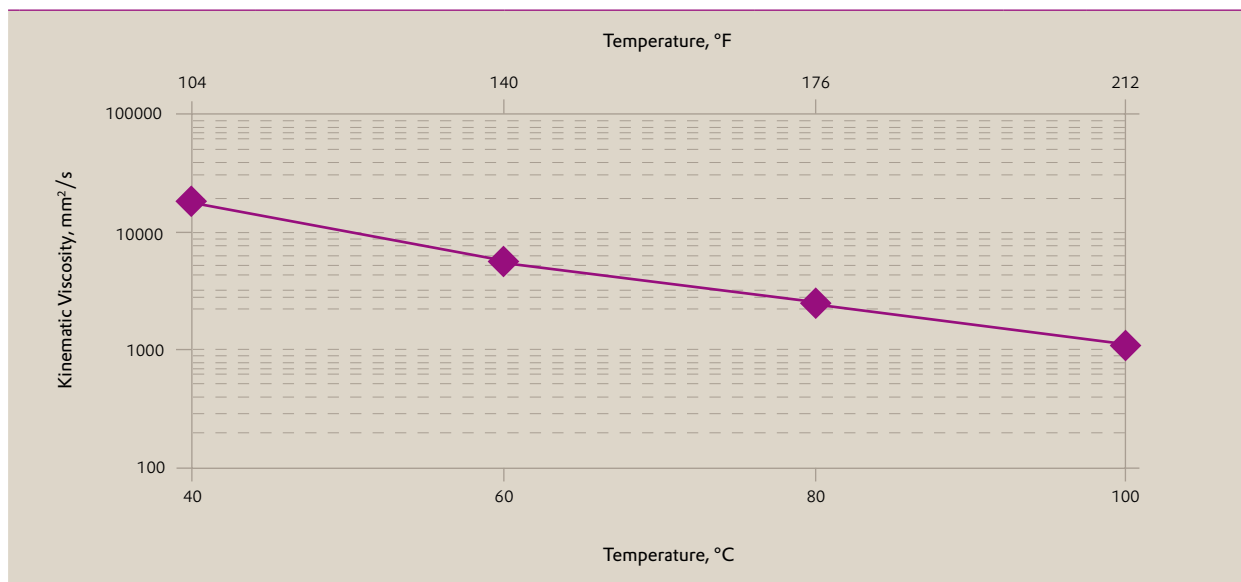


Figure 2

Kinematic Viscosity vs. Temperature



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