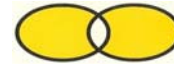


UniSource Energy, Inc.  
Specialty Paraffinic Oil  
Typical Properties



Supplier Name	UNISOURCE
Product Name	UNIPAR® 230 HF

Test Description	ASTM NO.	
Specific Gravity @ 60°/60°F	D 4052	0.8668
Gravity, °API @ 60°F		31.7
Density (Lb/Gal) @ 60°F		7.22
Appearance	Visual	B & C
Color	D 1500	L 0.5
Viscosity, SSU @ 100°F	D 445	215.7
Viscosity, SSU @ 210°F		47.7
Viscosity, cSt @ 40°C		41.85
Viscosity, cSt @ 100°C		6.41
Viscosity Index	D 2270	102
Pour Point, °F (°C)	D 5949	6 (-14)
Flash Point, °F (°C)	D 92	439 (226)
Fire Point, °F (°C)		495 (257)
Sulfur, wt. %	HPLC/UV	99 min.
Sulfur, ppm	D 5453	<1
Water, ppm	D 6304	32

Chemical Abstract #	64742-54-7 Dec-11
---------------------	----------------------

*The values shown here are representative of current production.  
Some are controlled by manufacturing specifications, while others are not.  
All may vary within modest ranges.*