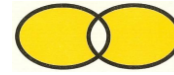


UNISOURCE-ENERGY, LLC
Specialty Naphthenic Oil
Typical Properties



Supplier Name	UNISOURCE
Product Name	UNINAP® 200 YNC

Test Description	ASTM NO.	
Density (Lb/Gal) @ 15°C	D 4052	7.59
Color, ASTM	D 1500	<1.0
Viscosity, cSt @ 40°C	D 445	40
Viscosity, cSt @ 100°C	D 445	5.1
Viscosity Index	D 2270	16
Viscosity Gravity Constant	D 2501	0.86
Aniline point, °C	D 611	80
Refractive Index @ 20°C	D 1747	1.497
Flash Point, COC, °C	D 93A	183
Pour Point, °C	D 97	-39
Carbon-Type Analysis	D2140	
Ca		11
Cn		41
Cp		48
Sulfur, %	D 2622	0.07

*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.*