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## NXT 744-POE

### Miscible CO<sub>2</sub> Refrigeration Compressor Fluid

NXT 744-POE is formulated specifically for use in carbon dioxide refrigeration systems. Its advanced formulation provides superior miscibility and lubricity in high-pressure carbon dioxide systems. NXT 744-POE also offers excellent chemical and thermal stability, low-temperature fluidity and a very long service life.

#### ATTRIBUTES

- Optimized miscibility with carbon dioxide refrigerants
- Controls carbon and varnish to help reduce deposits
- Low volatility
- Excellent film strength and anti-wear properties
- Long fluid life, allowing for extended oil-drain intervals
- Controls rust and corrosion for enhanced component protection
- High viscosity index for better compressor protection at elevated temperatures
- Superior thermal and oxidation stability and long life in carbon dioxide systems
- High flash and auto-ignition points for added safety
- Non-toxic/non-hazardous

#### TYPICAL LUBRICANT PROPERTIES

<b>NXT 744-POE Grades</b>	<b>55</b>	<b>85</b>	<b>110</b>	<b>170</b>
Viscosity cSt @ 40°C	55.2	80	111	171
Viscosity cSt @ 100°C	9.9	11.8	13.4	16.7
Viscosity Index	168	141	118	103
Flash Point °F (°C)	572 (300)	575 (301)	578 (303)	580 (304)
Pour Point °F (°C)	-36 (-38)	-31 (-35)	-22 (-30)	-13 (-25)
Four Ball, 40 Kg, 1200 RPM, 167°F, 1 hr, Scar Dia mm	.40	.40	.40	.40
Four Ball Weld Point, Kg	100	100	100	100
Copper Corrosion, 24 Hr	1a	1a	1a	1a
Demulsibility, 130°F, 30 Min	40/38/2	40/38/2	40/38/2	40/38/2