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# NXT 744-POE

## Miscible Carbon Dioxide Refrigeration Compressor Lubricant

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 Viscosities</b>	<b>85</b>
Viscosity cSt @ 40°C	80
Viscosity cSt @ 100°C	11.2
Viscosity Index	120
Flash Point °F (°C)	540 (282)
Auto-Ignition Point °F (°C)	790 (421)
Pour Point °F (°C)	-38 (-39)
FZG Pass Stage	12+
Four Ball, 40 Kg, 1200 RPM, 167°F, 1 hr, Scar Dia mm	.40
Four Ball Weld Point, Kg	100
Copper Corrosion, 24 Hr	1a
Demulsibility, 130°F, 30 Min	40/38/2