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NXT 744-FG

Food-Grade Immiscible CO2 Refrigeration Compressor Fluid

NXT 744-FG combines low-temperature fluidity with superior lubrication. Formulated specifically for carbon dioxide compressors, NXT 744-FG meets H1 requirements for applications where incidental food contact is possible (FDA 21 CFR 178.3570).

ATTRIBUTES

- Food-grade formulation
- Thermal and oxidative stability in carbon dioxide systems
- High viscosity index for better compressor protection at elevated temperatures
- Controls rust and corrosion for enhanced component protection
- High flash and auto-ignition points for added safety
- Low volatility and carryover into evaporators
- Excellent film strength and anti-wear properties
- Long fluid life, allowing for extended oil-drain intervals
- Controls carbon and varnish to help reduce deposits

TYPICAL LUBRICANT PROPERTIES

| NXT 744-FG Grades | 32 | 46 | 68 | 100 |
|--|-----------|-----------|-----------|------------|
| Viscosity cSt @ 40°C | 33 | 43 | 66 | 100 |
| Viscosity cSt @ 100°C | 6.0 | 7.2 | 9.4 | 12.1 |
| Viscosity Index | 129 | 130 | 121 | 114 |
| Flash Point °F (°C) | 442 (228) | 452 (233) | 461 (238) | 501 (261) |
| Auto-Ignition Point °F (°C) | 713 (378) | 726 (386) | 731 (388) | 763 (406) |
| Pour Point °F (°C) | -56 (-49) | -51 (-46) | -50 (-46) | -40 (-40) |
| FZG Pass Stage | 12+ | 12+ | 12+ | 12+ |
| 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 | 40/40/0 | 40/40/0 | 40/40/0 | 40/40/0 |