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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