CRYSTAL PURE

SYNTHETIC X GRADE COMPRESSOR LUBRICANT

BEYOND SYNTHETIC®

Crystal Pure "X" Grade lubricants are pure, inert, ash-less, and non-reactive making them an excellent choice for hyper compressors, and high/low pressure process gas compressors. Crystal-Pure lubricants are insoluble in most process gases, resist dilution by process gases, and are non-poisonous to process catalysts. This provides a lubricant that has extended useful life, and that extends the life of cylinders, rings and packing. Crystal-Pure can be used in compressor services requiring compliance with FDA regulations Title 21, CFR 121.2511; CFR 177.1430; CFR 178.3570; and CFR 178.3910. 1X, 2X grades meet Ingersoll-Rand viscosity requirements; 40X, 60X grades meet Cooper-Bessemer viscosity requirements.

PERFORMANCE ADVANTAGES

Environmentally Safe
Crystal Pure is not listed on the EPA's VHAP (volatile hazardous air pollutants)

Minimal Disposal Problems
Crystal Pure can be recycled, burned or disposed the same as mineral oil.

Very Low Moisture Content
Crystal Pure has a low moisture content to increase bearing and oil life.

Highest Purity
Crystal Pure contains no impurities such as sulfur, vanadium, amines, etc., that can be harmful or reactive to process fluids or poison the catalyst if it enters a process stream.

Remains Dry
Crystal Pure separates rapidly and completely from water.

Excellent Heat Transfer Properties
Crystal Pure fluids help keep equipment running cool

Multi-Viscosity Oil with Excellent Low Temperature Fluidity
Crystal Pure enables one oil to be used throughout the year in colder climates.

High Temperature Stability
Crystal Pure provides maximum stability at high temperatures.

High Flash Point
Crystal Pure has a high flash point for maximum safety.

Compatible with Most Fluids
Crystal Pure can be mixed with mineral oils, PAOs and diester fluids but should not be mixed with glycol or silicone synthetics.

Wide Seal Compatibility Range
Crystal Pure fluids are compatible with Viton®, neoprene, Buna N (except high ACN), silicone, polyurethane ester, epichlorahydrin, polysulfide, ethlene / acrylic, polycrylate, flourosilicone, propylene oxide, chlorosulfonated polyethylene, chlorinated polyethylene, Kalrez®, Nordel®, fluroelastomer, nitrile and others. It is not for use with EPDM or EPR elastomers. Victon®, Kalrez® and Nordel® are registered trademarks of E.I. DuPont.

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Typical Properties*	Method	1X	2X	40X	60X
Viscosity	ASTM D445				
cSt @ 40°C		79	118	177	377
cSt @ 100°C		12.3	15.1	17.6	29
ISO Grade		68	100	150	320
Pour Point, °F/°C	D-92	(-50/-45)	(-45/-42)	(-40/-40)	(-35/-37)

**Properties are typical and may vary.*