



CRYSTAL-CLEAR®

WEAR, CORROSION AND OXIDATIVELY STABLE SYNTHETIC FLUID

Royal Purple's Crystal-Clear® is an anti-wear, rust and oxidation stable, 100% synthetic fluid. It is a clean, pure, non-reactive synthetic fluid that meets all of the requirements of a white mineral oil plus the superior lubrication of a synthetic oil. High viscosity index, high thermal stability, low coefficient of friction, and high specific heat capacity enable it to outperform white mineral oils over an extremely wide temperature range.

Crystal-Clear® offers operators the opportunity to upgrade equipment lubrication from mineral white oil to a higher performing synthetic oil. Recommended to replace mineral white oil where improved service life and equipment reliability is required. Crystal-Clear® is an undyed product.

PERFORMANCE ADVANTAGES

ENVIRONMENTALLY SAFE – Crystal-Clear is not listed on the EPA's VHAP (volatile hazardous air pollutants)

HIGHEST PURITY – Contains no impurities such as sulfur, vanadium, amines, etc.; will not harm process fluids or catalysts

EXCELLENT THERMAL PROPERTIES – High thermal conductivity and heat capacitance help keep equipment running cool

OUTSTANDING LOW TEMPERATURE FLUIDITY – Suitable year-round service, even in cold weather climates

EXCEPTIONALLY DRY – less than 70 ppm (< 0.007%) (by Karl Fischer method) at manufacture, and demulsifies readily from water

VERY LOW REACTIVITY – Extremely inert formula will not react with other hydrocarbon oils and esters, or with most process fluids

WIDE SEAL COMPATIBILITY – compatible with common seal materials such as neoprene, Buna N, silicone, fluoroelastomers and perfluoroelastomers (e.g. Viton® and Kalrez®). It is not for use with EPDM or EPR elastomers.



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TECHNICAL DATA

Property	Test Method	40X
ISO Viscosity Grade	ISO 3448	100
Viscosity @ 40°C, cSt	ASTM D445	96.2
Viscosity @ 100°C, cSt	ASTM D445	14.8
Viscosity Index	ASTM D2270	161
Specific Gravity	ASTM D4052	0.838
Flash Point, °C (°F)	ASTM D92	238 (460)
Pour Point, °C (°F)	ASTM D97	-42 (-44)
Copper Corrosion	ASTM D130	1A
Demulsibility	ASTM D1401	42/38/0 (10)
Foam Test, Seq. II	ASTM D892	0/0/0

2/25/2022