POLY-GUARD FDA

HIGH PERFORMANCE NSF/USDA H-1 OIL

BEYOND SYNTHETIC®

Poly-Guard FDA is recommended for use in compressors, pumps, gear boxes, bearings, hydraulic systems, blowers or almost any other equipment in food processing or pharmaceutical plants requiring oil.

Poly-Guard FDA is a superior anti-wear, long life, synthetic lubricant that is NSF certified for H-1 service and meets the FDA CFR Title 21 Section 178.3620(b) purity requirement. Poly-Guard FDA reduces wear and keeps equipment cleaner, allowing for substantially longer oil drain intervals. Using Poly-Guard FDA saves money, minimizes inventory, reduces maintenance, improves equipment efficiency and extends equipment life. It is available in ISO viscosity grades 32 through 460.

Poly-Guard FDA is an undyed product.

PUROLEC® ADDITIVE TECHNOLOGY MAKES THE DIFFERENCE!

Synthetic oils enable Royal Purple to make superior FDA / NSF H-1 lubricants, but it is Royal Purple's advanced Purolec additive technology that gives Royal Purple's lubricants their superior performance advantages.

Purolec additive technology provides outstanding anti-wear properties while providing excellent rust and corrosion protection to all metals. Purolec additive technology also fortifies the oil against the detrimental effects of heat, which causes oil to oxidize.

PERFORMANCE ADVANTAGES

Excellent Wear Protection
Poly-Guard FDA has superior anti-wear properties and provides superior protection to bearings, gears, etc.

Rapidly Separates from Water
Poly-Guard FDA rapidly and completely separates from water, which is easily drained from the bottom of the oil reservoir.

Longer Oil Life
Poly-Guard FDA has excellent oxidation stability that greatly extends oil change intervals while keeping equipment clean.

Multi-Temperature Performance
Poly-Guard FDA is stable at high temperatures and extremely fluid at low temperatures.

Excellent Corrosion Protection
Poly-Guard FDA protects ferrous and non-ferrous metals against rust and corrosion.

Lower Coefficient of Friction
Poly-Guard FDA saves energy.

High Purity
Poly-Guard FDA meets the FDA CFR Title 21 Section 178.3620(b) purity requirement and is NSF certified for H-1 service.

Compatible with Elastomers
Poly-Guard FDA has excellent compatibility with most elastomers.

Compatible with Other Oils
Poly-Guard FDA is compatible and can be mixed with other mineral oils and most synthetic oils. (It is not compatible with silicone or glycol synthetics.)

REVISED 3/8/2019

ROYAL PURPLE SYNTHETIC OIL

REVISED 3/8/2019

		ISO GRADE										
Typical Properties*	**Method**	**15**	**22**	**32**	**46**	**68**	**100**	**150**	**220**	**320**	**460**	**680**
Density, lbs/gal	D4052	6.89	6.93	6.97	7.01	7.06	7.12	7.17	7.21	7.25	7.29	7.33
Viscosity	D445											
cSt @ 40°C		15	22	32	46	68	100	150	220	320	460	680
cSt @ 100°C		3.5	4.5	6.1	7.9	10.4	13.6	17.9	23.2	30	38.9	50
Viscosity Index	D2270	115	128	141	141	140	136	133	131	129	128	127
Flash Point, °F/°C	D92	430/221	380/193	454/234	474/445	460/238	454/243	454/234	444/229	440/226	444/229	430/221
Pour Point, °F/°C	D97	-85/-65	-71/-57	-38/-39	-38/-39	-38/-39	-38/-39	-38/-39	-44/-42	-44/-42	-38/-39	-33/-36
Copper Corrosion Test	D130	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A	1A
Demulsibility Test	D1401											
Mins @130°F		40/40/0(5)	40/40/0(10)	40/40/0(10)	41/37/2(10)							
Mins @ 180°F						41/39/0(20)	40/40/0(10)	41/39/0(10)	40/38/2(10)	40/40/0(20)	41/39/0(20)	40/40/0(25)
Foam Characteristics	D892	0/0/0	0/0/0	15/0/2	10/0/2	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0

*Properties are typical and may vary.