

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 nonferrous 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).
- **Environmentally Responsible**
Poly-Guard FDA components are TSCA listed and meet EPA, RCRA and OSHA requirements. Poly-Guard FDA extends oil drain intervals, eliminates premature oil changes, decreases the amount of oil purchased and disposed of and conserves energy.



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TYPICAL PROPERTIES*	ASTM METHOD	ISO GRADE							
		32	46	68	100	150	220	320	460
Viscosity	D-445								
cSt @ 40°C		32	46	68	100	150	220	320	460
cSt @ 100°C		6.1	7.9	10.4	13.6	17.9	23.2	30.0	39.0
Viscosity Index	D-2270	142	144	140	136	132	130	128	130
Flash Point, °F	D-92	450	485	470	490	460	455	445	410
Pour Point, °F	D-6892	-38	-38	-38	-56	-44	-49	-44	-38
Copper Corrosion Test	D-130								
3 Hrs @ 100°C		1A	1A	1A	1A	1A	1A	1A	1A
Foam Test, Seq II	D-892								
Initial/Final/Time(sec)		9/0/2	12/0/3	12/0/4	9/0/3	5/0/3	2/0/1	1/0/0	0/0/0
Demulsibility Test	D-1401								
Mins @ 130°F		10	10	15	---	---	---	---	---
Mins @ 180°F		---	---	---	10	10	15	20	25
Density, lbs/g	D-4052	6.94	6.97	6.99	7.08	7.12	7.16	7.20	7.24

*Properties are typical and may vary