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SL-HTF FG

Synthetic Food Grade Heat Transfer Fluid

Series SL-HTF FG is used as a heat transfer fluid used in numerous types of heat transfer systems. It is made with thermally and oxidatively stable synthetic base fluids that are further enhanced with proprietary additives. This formulation greatly extends the heat transfer fluid life over normal and other synthetic fluids. Series SL-HTF FG provides an exceptional performance and very high operating temperatures in both open and closed systems. Series SL-HTF FG is also non-toxic, non-hazardous and resists carbon formation. NSF HT1 Registration Number 135764.

ATTRIBUTES

- Excellent thermal & oxidation stability which contributes to long life at very high temperatures
- Very high flash, fire & auto-ignition temperatures for added safety
- Very low volatility and vapor pressures
- High heat capacity and thermal conductivity
- Excellent deposit control to help keep system clean
- Low viscosity at operating temperatures for improved pumping efficiency
- Excellent demulsibility and cold flow properties for smoother start ups

TYPICAL PROPERTIES

Lubrication Properties	Test Method	SL-HTF FG-32	SL-HTF FG-46	SL-HTF FG-68	SL-HTF FG-100
Density @15 °C	ASTM D-1298	0.840	0.853	0.865	0.865
Color	ASTM D-1500	< 0.5	< 0.5	< 0.5	< 0.5
Flash Point °C	ASTM D-92	221	234	243	266
Fire Point °C	ASTM D-92	257	266	278	298
Viscosity cSt @ 40 °C	ASTM D-445	33	43	68	100
Viscosity cSt @ 95 °C	ASTM D-445	5.3	7.6	8.9	11.5
Viscosity cSt @ 315 °C	ASTM D-445	0.7	0.70	0.8	0.9
Sulphur Content, % mass	X-RAY	<0.01	<0.01	<0.01	<0.01
Carbon Residue, % mass	ASTM D-189A	0.01	0.01	0.01	0.01
Cu Strip Corrosion	ASTM D-130	1a	1a	1a	1a
Vapor Pressure, psi @205 °C	ASTM D-2879	0.063	0.057	0.050	0.040
Vapor Pressure, psi @260 °C	ASTM D-2879	0.39	0.36	0.30	0.21
Vapor Pressure, psi @315 °C	ASTM D-2879	1.66	1.48	1.30	1.11
Vapor Pressure, psi @371 °C	ASTM D-2879	7.55	7.91	5.80	4.41
Distillation Range, °C 10%	ASTM D-2887	408	409	410	410
Distillation Range, °C 90%	ASTM D-2887	507	510	512	520