MOKON®

DELF LT

OVERVIEW

DELF LT heat transfer fluid is engineered for applications requiring process temperatures ranging from -30˚F to 437˚F.

Ideal for batch processing requiring heating and cooling cycles. Eliminates the need for heat tracing in outdoor applications.

APPLICATION

DELF LT is an oxidative and thermally stable, high performance, long lasting, environmentally friendly heat transfer fluid. Offering precise temperature control between -30˚F and 437˚F. **DELF LT** engineered for applications requiring process temperatures ranging from -30˚F to 437˚F.

Ideal for batch processing requiring heating and cooling cycles. Eliminates the need for heat tracing in outdoor applications.

THE DIFFERENCE

Our exclusive additive package, including a proprietary dual stage anti-oxidant, ensures long trouble-free operation. DELF also incorporates metal deactivators, a seal and gasket extender, defoaming and particle suspension agents.

LASTS LONGER

In the heat transfer fluid industry cost is always a concern, however fluid longevity and resistance to harmful fouling are of equal importance.

Air contact is normally detrimental to a fluid. Oxidation can cripple your system and if left unchecked will ultimately cause catastrophic failure. Unscheduled downtime due to oil failure has a high cost and negative effect on production.

The DELF product line was developed with this in mind. Most other fluids fall short in their protection from oxidation and can quickly foul a system. DELF is engineered to give unsurpassed levels of protection and service life.

ENVIRONMENTAL

DELF LT heat transfer fluid is environmentally friendly, non-toxic, non-hazardous and non-reportable. Worker health and safety is of great concern, **DELF LT** heat transfer fluid poses no ill effect to worker safety. After its long service life it can easily be disposed of with other waste oils.

DELF LT PROPERTIES

Appearance: colorless, clear and bright liquid		
Maximum Bulk/Use Temp.*	437˚F	225˚C
Flash Point ASTM D92	329°F	165°C
Fire Point ASTM D92	370°F	188°C
Autoignition ASTM E-659-78	473°F	245°C
Viscosity ASTM D445		
cSt at 104°F / 40°C	7.9	
cSt at 212°F / 100°C	2.3	
cSt at 400°F / 204°C	0.85	
Pour Point ASTM D97	-72°F	-58°C
Density ASTM D1298	**lb/ft3**	**g/ml**
at 100˚F / 38˚C	50.1	0.802
at 200°F / 93°C	47.9	0.772
at 400°F / 204°C	43.1	0.692
Average Molecular Weight	395	
Carbon Residue ASTM D189	0.005	% Mass
Sulphur Content X-RAY	<.001	weight %
CU Strip Corrosion ASTM D130	1a	
Thermal Expansion Coefficient	0.0564 %/˚F	0.1011 %/˚C
Thermal Conductivity	**BTU/hr F ft**	**W/m.K**
at 100°F / 38°C	0.081	0.145
at 200°F / 93°C	0.081	0.141
at 400°F / 204°C	0.076	0.132
Heat Capacity	**BTU/lb F**	**kJ/kg K**
at 100˚F / 38˚C	0.511	2.139
at 200°F / 93°C	0.563	2.355
at 400°F / 204°C	0.723	2.724
Vapor Pressure ASTM D2879	**psi**	**kPa**
at 100˚F / 38˚C	0.00	0.00
at 200°F / 93°C	0.02	0.12
at 400°F / 204°C	0.93	6.02
Distillation Range ASTM D2887	10%	613°F (323°C)
	90%	784°F (418°C)
***Maximum Film Temp.**	467°F	242°C

The values quoted are typical of normal production. They do not constitute a specification.