



KOSTGard® Heat Transfer Oil

KOSTGard® Heat Transfer Oil is recommended for heat transfer systems requiring a highly stable oil as the heat transfer medium, such as asphalt and residual fuel heating systems.

KOSTGard® Heat Transfer Oil also contains an additive system that is specially designed to resist heat and oxidation, protect the heat transfer oil from breakdown and coking, and to protect heat transfer oil pumps from wear and failure.

KOSTGard® Heat Transfer Oil is specially formulated to provide exceptional protection for hot oil heating systems where the thermal stability of the heat transfer oil is critical to safe, dependable operation. Closed liquid-phase systems should be equipped with expansion tanks and pressure relief valves where maximum bulk oil temperatures do not exceed recommended temperatures. Preventative measures should be taken to minimize oil oxidation by eliminating air from the system prior to bringing fluid to operating temperature. The use of an expansion tank and a positive pressure inert gas such as nitrogen is recommended at all times on the expansion tank. **Under no circumstance should the hot oil come in contact with air.**

System Recommendations

	Maximum System Temperatures	
	Closed System	Open System
Heat Transfer Oil 15	500°F / 260°C	320°F / 160°C
Heat Transfer Oil 22	500°F / 260°C	340°F / 171°C
Heat Transfer Oil 32	550°F / 288°C	350°F / 178°C
Heat Transfer Oil 46	550°F / 288°C	375°F / 191°C
Heat Transfer Oil 68	600°F / 315°C	400°F / 204°C
Heat Transfer Oil 150	600°F / 315°C	420°F / 216°C

Typical Properties	ISO 15	ISO 22	ISO 32	ISO 46	ISO 68	ISO 150
Gravity, °API	33.1	31.6	31.2	30.3	29.5	28.5
Viscosity @ 40°C, cSt	15.9	22.0	32.0	46.0	68.0	150.0
Viscosity @ 100°C, cSt	3.45	4.35	5.4	6.8	8.5	15.5
Viscosity Index	90	105	102	100	97	95
Pour Point, °C	-15	-6	-6	-6	-4	15
Flash Point, °C	180	190	204	215	224	241
Product #:	2554	2531	2532	2533	2534	2535

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