

HEAT TRANSFER OIL

Mineral Based Circulating Oil

Description

Heat Transfer Oil is a mineral based circulating oil intended for use in open or closed heating systems. It is formulated with Group II base oils and advanced additive chemistry to provide very good thermal stability and low sludge-forming tendency.

Heat Transfer Oil is resistant to thermal cracking and chemical oxidation allowing for long service life without deposit formation or viscosity increase. It is non-corrosive to steel and copper.

Heat Transfer Oil is recommended for heat transfer systems typically found in asphalt and petroleum products processing, plywood laminating, rubber and plastics molding, extrusion, curing and calendaring.



Features/Benefits

- **Good Thermal Stability.**
- **High Heating Efficiency.**
- **High Specific Heat and Thermal Conductivity.**
- **Good Oxidation Stability Minimizes Sludge and Acid Formation and Extends Product Life.**
- **Low Volatility Reduces Potential for Pump Cavitation.**

Physical and Chemical Properties	
Product Number	345
API Gravity @ 60°F	30.6
Viscosity @ 40°C cSt	46
Viscosity @ 100°C, cSt	6.8
Viscosity @ 100°F, SUS (ref)	210-220
Viscosity Index, typ.	100
Max allowable film temperature, °F	620
Recommended Max Operating Range, °F	
Open System	400
Closed System	550
Panel Coker Test	9.5
Coef of, Specific Heat	0.653
Vapor Pressure at Operating Range, mm/hg	25-26
Auto-ignition temperature, °F	720
Specific Heat BTU/lb @ 300°F	0.56