

## 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 & Chemical Properties

<b>Product Number</b>	<b>345</b>
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