



# Kixx Therm

Heat Transfer Fluid

ISO VG 32, 46

## DESCRIPTION

Kixx Therm is a highly refined, thermally stable paraffinic petroleum oil formulated for use as a heat transfer fluid in both closed and open heat transfer systems with forced circulation.

## APPLICATIONS

- Open systems operating at temperatures up to 200°C.
- Closed systems (sealed with cold oil or inert gas) operating at bulk oil temperatures up to 320°C.

For long, trouble-free service in closed systems, the maximum film temperature on the heater surfaces should be limited to 340°C. Systems must have forced circulation of the heat transfer fluid.

## CUSTOMER BENEFITS

### Maximum energy efficiency

Excellent heat transfer properties enable easy circulation and efficient transfer of heat.

### Resists deposit formation

Outstanding oxidation and thermal stability resists formation of sludges and coke deposits, providing long oil service life.

### Rapid response at start-up

Low temperature flow characteristics allow prompt circulation.

### Economical low pressure operation

Low vapor pressure at elevated temperatures minimizes evaporation, vapor lock and pump cavitation, allowing efficient operation at lower system pressures, avoiding the need for expensive high pressure piping and heat exchangers.

## KEY PROPERTIES

ISO VG	32	46
Density, kg/L @15°C	0.861	0.867
Kinematic Viscosity, mm <sup>2</sup> /s @ 40°C	30.28	43.27
Kinematic Viscosity, mm <sup>2</sup> /s @ 100°C	5.236	6.6
Viscosity Index	103	104
Copper Corrosion, 3hr@100°C	1a	1a
Flash Point °C	230	238
Package (Liters)	200	200