

KIXX THERM OIL

HEAT TRANSFER OIL

DESCRIPTION

Synthetic fluid with outstanding thermal stability for use as a heat transfer medium over wide temperature ranges 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 ranging from -15°C to 320°C.

BENEFITS

- **Extended temperature range operation**
Outstanding thermal and oxidation stability ensure that minimal thermal cracking fluid degradation and deposit formation occur during high temperature operation for long periods, maintaining the thermal efficiency of the heat transfer system.
- **Rapid response at start-up**
Good low temperature flow characteristics allow prompt circulation, particularly where pipes and expansion tanks are outdoors and ambient temperatures are low.
- **Maximum heat transfer efficiency**
High specific heat and thermal conductivity, and low viscosity at operating temperature, ensures high heat transfer rates and low pumping energy requirements.
- **Reduced system maintenance**
Outstanding thermal and oxidation stability resists the formation of carbon deposits and reduces the need for cleaning of the heating system.

KEY PROPERTIES

Grade	46
Density, kg/liter @29.5°C	0.844
Kinematic Viscosity @40°C (mm ² /s)	43.9
Kinematic Viscosity @100°C (mm ² /s)	7.3
Viscosity Index	130
Flash Point (°C, COC)	250
Copper Corrosion, 3hr@100°C	1a