

# KIXX THERM OIL M

## HEAT TRANSFER OIL

### DESCRIPTION

KIXX Therm Oil M is premium quality heat transfer oil intended for use in closed indirect heating systems. It is formulated from highly refined base stocks to provide excellent oxidation stability and resistance against thermal cracking. It possesses high specific heat and thermal conductivity that provide faster heat transfer. Its ability to flow rapidly at low temperatures ensures quick circulation at start-up and reduced risk of local over-heating.

### APPLICATIONS

- Open systems operating at temperatures up to 180°C.
- Closed, indirect heating systems equipped with expansion tanks in all kinds of industrial processes operating at bulk oil temperatures up to 285°C.

### BENEFITS

- Excellent thermal and oxidation stability minimizes deposit formation and viscosity increase leading to extended service life and reduced downtime.
- Exceptional resistance to thermal cracking and decomposition enables this oil to perform well.
- High specific heat and thermal conductivity of this oil provides more rapid heat dissipation.
- Superior low temperature fluidity ensures quick circulation at start-up and reduced risk of local overheating.
- Non-corrosive and Non-toxic.

### KEY PROPERTIES

Grade	32
Density, kg/liter @29.5°C	0.874
Kinematic Viscosity @40°C (mm <sup>2</sup> /s)	30.2
Kinematic Viscosity @100°C (mm <sup>2</sup> /s)	5.12
Viscosity Index	96
Flash Point (°C, COC)	216
Copper Corrosion, 3hr@100°C	1a

Temperature	100	150	200	250	300	340
Specific Heat, kJ/Kg Deg. K	2.155	2.335	2.515	2.696	2.876	3.020
Thermal Conductivity, W/m <sup>2</sup> Deg K	0.126	0.122	0.118	0.115	0.111	0.108