



Industrial Oils

hyrax[®] Transtherm HT



Specially selected low viscosity mineral based heat transfer fluid



Highly resistant to thermal cracking



Good heat transfer properties



High flash point to ensure safe operations

Description

Hyrax Transtherm HT is a specially selected low viscosity mineral based heat transfer fluid formulated for use in closed, oil sealed, heat transfer systems. Heat transfer systems of this type are widely used in industry where indirect heating is preferred for economic or technical purposes, and required temperatures are not obtainable with hot water or steam without excessively high pressures.

Hyrax Transtherm HT is highly resistant to thermal cracking at its recommended operating temperatures, and provided that these operating temperatures are not exceeded the flash point will not decrease significantly in services.

Applications

Hyrax Transtherm HT is recommended for use in closed heat transfer systems used in chemical and process plant, textile manufacture etc. where the oil is circulated in a pumped system operating under atmospheric pressure with or without an inert gas blanket. It can also be used for closed systems operating at maximum bulk temperature up to 290°C and where minimum shutdown temperatures are not below -10°C. It is not recommended for open bath heating systems.

Benefits

- Exceptionally inherent oxidation and resistance to thermal decomposition
- Good heat-transfer properties
- Low volatility and high flash point to ensure safe operations

Typical Characteristics

Properties	Method	ISO VG 32	ISO VG 46
Density at 15°C, Kg/L	ASTM D4052	0.863	0.872
Flash Point, °C	ASTM D92	>190	>210
Fire Point, °C	ASTM D92	>240	>240
Pour Point, °C	ASTM D97	-15	-15
Viscosity at 40°C, cSt	ASTM D445	32.0	46.0
Viscosity at 100°C, cSt	ASTM D445	5.7	7.2
Viscosity Index	ASTM D2270	119	113