HEAT TRANSFER OIL 32

Last updated: 23/11/2018 3:57 pm

PRODUCT CODE	PACK SIZE	CARTON QTY
HTO32205	205L	
HTO321000LTR	1000L	

PRODUCT BENEFITS

Penrite HTO 32 is a highly refined, thermally stable, mineral oil-type heat transfer fluids formulated with premium hydrocracked base oils.

APPLICATION

HTO Oil 32 is used as heat transfer fluid in both closed and open heat transfer systems with forced circulation where a mineral-type heat transfer fluid is required.

HTO Oil 32 is suitable for open or closed heat transfer systems with forced circulation operating under the following conditions:Maximum bulk oil temperature: 288°

- Maximum film temperature on heater surfaces: 316°
- Maximum temperature of oil surface in contact with air in open systems: 107°

Systems must have forced circulation of the heat transfer fluid.

Note for open systems:
Due to oxidation which is increased in open systems due to exposure to oxygen, the life of any mineral oil in an open system declines rapidly at temperatures beyond the region of 100°. Therefore, a reduced service life must be expected for these oils at higher temperatures in open systems.

PRODUCT BENEFITS

- Excellent heat transfer properties enable efficient transfer of heat
- Resist deposit formation
- Excellent thermal stability and good oxidation resistance
- Long oil service life

PRODUCT PERFORMANCE LEVELS

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TYPICAL DATA

Colour	Amber
Colour, ASTM D1500	0.5
Density at 15°C, kg/L	0.855
Viscosity, Kinematic, cSt at 40°C	31
Viscosity, Kinematic, cSt at 100°C	5.4
Viscosity Index	118
Sulphur Content, Mass %	<0.002
Pour Point, °C	-18
NOAK Volatility, weight % loss	14.0
Oxidation Stability, hours D943	>8000
Total Sludge, % weight IP280	0.07
TAN, mg KOH/g	0.10
Ash Content, D482, mass %	0.001
Carbon Residue, D189, mass %	<0.01
Flash Point, PMCC, °C	200
Flash Point, COC, °C	220
Copper Corrosion, 3 hours at 100°C	1a
Water Seperability @ 54°C, (minutes)	40/40/0 (10)
Water Seperability @ 82°C, (minutes)	NA
Auto Ignition Temperature, °C	370

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