



# PENRITE



85% REDUCTION  
IN LANDFILL  
WASTE

## HEAT TRANSFER OIL 68 PLUS

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PRODUCT CODE	PACK SIZE	CARTON QTY
HTO68205	205L	

### PRODUCT BENEFITS

**HTO Oil 68 Plus** is a highly refined, thermally stable, mineral oil-type heat transfer fluids formulated with premium hydrocracked base oils.

### APPLICATION

**HTO Oil 68 Plus** 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 68 Plus** is suitable for open or closed heat transfer systems with forced circulation operating under the following conditions: Maximum bulk oil temperature: 288°C

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

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°C. 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

### TYPICAL DATA

Colour	Amber
Colour, ASTM D1500	0.5
Density at 15°C, kg/L	0.874
Viscosity, Kinematic, cSt at 40°C	74
Viscosity, Kinematic, cSt at 100°C	9.2
Viscosity Index	99
Sulphur Content, Mass %	<0.002
Pour Point, °C	-15
NOAK Volatility, weight % loss	7.0
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, COC, °C	202
Copper Corrosion, 3 hours at 100°C	1a
Water Seperability @ 54°C, (minutes)	40/40/10
Water Seperability @ 82°C, (minutes)	NA
Auto Ignition Temperature, °C	370

