



PRODUCT DATA SHEET

EXN - HEAT TRANSFER OIL 32, 46, 68

Power Resistance Heating Oil

DESCRIPTION

EXN - HEAT TRANSFER OIL 32, 46, 68 it has been formulated with well refined paraffin base oils. Its thermal stability and resistance to oxidation is excellent. never has a corrosive effect on steel or copper. It can be safely used in closed systems at a working temperature up to 315°C and in open systems up to 200°C.

The product's high specific heat allows it to supply or remove large amounts of heat whilst its high thermal conductivity enables it to pick up or discharge this heat quickly, ensuring maximum heat transfer efficiency. It is not recommended for open baths running at 200°C and above.

FEATURES AND ADVANTAGES

- * High thermal and oxidation stability
- * High specific heat and thermal conductivity
- * Excellent GM Quenchometer (ASTM D-3520) performance
- * Low deposit formation, as determined by the Panel Coker Test
- * Non-corrosivity to any metals used in the system
- * Compatibility with seals and sealing materials.
- * It facilitates the engine's running even at low temperatures



INDUSTRY SPECIFICATION

STANDARDS * GM Quenchomete

TECHNICAL DATA PROPERTIES

Parameter	ISO GRADE	UNIT	32	46	68
Colour	ASTM D1500	-	1.5	1.5	1.5
Density @ 15°C	ASTM D4052	kg/m3	0.870	0.872	0.875
Kinematic Viscosity @ 40°C	ASTM D7042	mm ² /s	32.00	45.55	67.80
Kinematic Viscosity @ 100°C	ASTM D7042	mm ² /s	5.40	6.80	8.65
Viscosity Index	ASTM D2270	-	102.0	105.0	105.0
Flash Point, °C	IP 523	°C	220	230	235
Phosphorus, mass %	ASTM 4951	%	0.010	0.010	0.010
Pour Point, °C	ASTM D97	°C	-12	-10	-10

Product Number : E-I-HTO-32, 46, 68

Available Pack : 18, 20 & 200L

VALUES SHOWN HERE ARE TYPICAL AND MAY VARY

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed. MSDS's are available upon request through your sales contract office, or via the Internet. This product should not be used for purposes other than its intended use. If disposing of used product, take care to protect the environment.

