



HEAT TRANSFER OIL

PSO Heat Transfer Oil series, meticulously developed with carefully selected highly refined base oils with exceptional thermal stability and cutting-edge additive technology that prevents thermal breakdown during service. These oils are tailor-made for applications in closed, open, and indirect heat transfer systems. With heightened heat transfer efficiency and enhanced resistance to thermal cracking and oxidation, PSO Heat Transfer Oil stands out in performance.

Benefits

- Ensures good oxidation stability, extending service life of oil without deposit formation and viscosity increases.
- Exhibits excellent thermal stability, preventing decomposition at operating temperatures.
- Delivers a high heat transfer rate, with enhanced operating efficiency.
- Provides robust protection against corrosion.

Applications

- Recommended for use in both open and closed systems, aligned with the respective bulk oil temperatures.
- Ideal for heating applications in reaction vessels, driers, and molding machines.
- Well-suited for manufacturing processes in industries such as cement, paper, and more.

Typical Characteristics*

PROPERTIES	METHODS	TYPICAL RESULTS		
ISO VG		32	100	460
Density @ 15°C, kg/L	ASTM D-4052	0.8778	0.8933	0.9055
K. Viscosity @ 40°C, cSt	ASTM D-445	32.1	100.2	460.4
K. Viscosity @ 100°C, cSt	ASTM D-445	5.36	11.45	31.45
Viscosity Index	ASTM D-2270	110	100	99
Flash Point (COC), °C	ASTM D-92	202	248	274
Pour Point, °C	ASTM D-97	-6	-6	-3
Operating Temp. Limit-Closed System, °C	-	230	270	300

*These typical characteristics mentioned are based on current mean values.

Based on available information, this product does not contain any component that may produce any significant hazard to health when used for the recommended application. Guidelines for health and safety are available in Material Safety Data Sheet of the product. Dispose of used oil, containers, cartons labels in an environment friendly manner. Do not discharge used oil into drain, soil or water. Advice on application not covered in this leaflet, may be obtained from lubricants.technical@psopk.com