



PAKISTAN STATE OIL

# PSO HEAT TRANSFER OIL

## PRODUCT DESCRIPTION

PSO Heat Transfer Oil is blended carefully with selective highly refined base oils having good thermal stability and superior additive technology to prevent thermal breakdown in service. They are intended for use in closed, open and indirect heat transfer system. They have good heat transfer efficiency with better resistance to thermal cracking and chemical oxidation.

## APPLICATIONS

- Recommended for use in open and closed system in line with the respective bulk oil temperatures.
- Heating of reaction vessels, driers, moulding machines.
- Manufacturing process – cement, paper, other industries.

## BENEFITS

- Good oxidation stability ensures longer service life without deposit formation or viscosity increases.
- Good thermal stability to avoid decomposition at operating temperature.
- High-heat transfer rate with improved operating efficiency.
- Protection against corrosion.

## PRODUCT CHARACTERISTICS\*

PROPERTIES	METHOD	TYPICAL RESULTS		
		32	100	460
Density @ 15 °C, Kg/liter	ASTM D-4052	0.879	0.892	0.9014
Kinematic Viscosity @ 40 °C	ASTM D-445	32	100	460
Kinematic Viscosity @ 100 °C	ASTM D-445	5.29	11.23	30.7
Viscosity Index	ASTM D-2270	95	95	95
Flash Point (COC), °C	ASTM D-92	190	230	265
Pour Point, °C	ASTM D-97	-3	-3	-3
Operating Temperature Limit-Close System °C		230	270	300

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



### HEALTH & SAFETY

Guidelines for health, safety and handling are available in Material Safety Data Sheet of the product which can be obtained from PSO representative.



### ENVIRONMENT PROTECTION

Take used oil to an authorized collection point. Do not discharge into drains, soil or water.



### ADVICE

Advice on application not covered in this leaflet, may be obtained from PSO representative.

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PRODUCT DATA SHEET