

HEAT TRANSFER 100

PRODUCT DESCRIPTION

Vertex Heat Transfer 100 is a premium heat transfer oil designed to give outstanding service in a variety of applications. Vertex Heat Transfer 100 Heat Transfer Oil is formulated from highly refined hydro-treated base oil and fortified with oxidation inhibitors to enhance high temperature performance and stability. The product is resistant to oxidation and high temperature degradation extending the usable life of the fluid, maintaining continued efficient heat transfer. Heat Transfer 100 Heat Transfer Oil may be used in both open and inert gas blanketed closed heat transfer systems. The product is suitable for use in open systems (subject to atmospheric exposure) where maximum temperatures do not exceed 150°C. Heat Transfer 100 is suitable for use in closed, inert gas blanketed systems up to 320°C.

APPLICATIONS & BENEFITS

- Formulated with high VI base oils.
- Suitable for use up to 150°C in open systems and 320°C in closed systems.
- Contains high temperature oxidation inhibitors.
- Minimises deposit formation.
- Long Fluid life.

PACK SIZES AVAILABLE

-20L - 200L

SPECIFICATIONS

- ISO 100 Specific Heat Capacity, kJ/kg @ 25°C = 1.99
- ISO 100 Specific Heat Capacity, kJ/kg @ 100°C = 2.27
- ISO 100 Specific Heat Capacity, kJ/kg @ 150°C = 2.45
- ISO 100 Specific Heat Capacity, kJ/kg @ 200°C = 2.55
- ISO 100 Specific Heat Capacity, kJ/kg @ 250°C = 2.65
- ISO 100 Specific Heat Capacity, kJ/kg @ 300°C = 2.82
- Max. Film Temperature, °C = 340
- Max. Bulk Temperature, °C = 320

TYPICAL CHARACTERISTICS

HEAT TRANSFER 32	UNITS	VALUES
VISCOSITY	cSt @ 40°C	100
	cSt @ 100°C	11.3
SPECIFIC GRAVITY	@ 15°C	0.873
VISCOSITY INDEX		98
POUR POINT	°C	-18
FLASH POINT	°C	238
COEFFICIENT OF THERMAL EXPANSION	Per °C	0.00079

ADDITIONAL INFORMATION

Designed for New Zealand Conditions | Manufactured from virgin base stocks. For more technical information please contact Vertex Lubricants NZ Technical Dept. +64 9 640 0004. Sheet updated 27 June 2023.