



TECHNICAL DATA SHEET

OBLUBE 662 - HEAT TRANSFER OIL

Product Description:

OBLube Heat Transfer Oil is formulated from highly refined paraffinic base oils with exceptionally inherent oxidation-stable and thermal-resistant properties. This product provides excellent resistance to thermal cracking and chemical oxidation providing efficient heat transfer and long service life to properly designed and maintained heat transfer systems.

Benefits:

OBLube Heat Transfer Oil provides:

- Good thermal conductivity and high specific heats for efficient heat transfer.
- Good thermal resistant properties which prevent thermal cracking at elevated temperatures (high flash and fire points) are maintained for safety.
- Good oxidation resistant properties which prevent the formation of carbon, sludge, varnish, and lacquers keeping the system clean.
- Prevents the build-up of deposits which causes insulating properties that lower the heat transfer efficiency.

Applications:

OBLube Heat Transfer Oil has high specific heat and thermal conductivity at a wide temperature range that ensures rapid heating and heat transfer in the following systems:

- Open systems operating at 200°C at the hottest point.
- Closed (No Air Entry) systems operating with oil bulk temperatures of up to 280°C with maximum hottest point of 320 to 340°C.
- Forced oil circulation systems which rely on pumps to create positive pressure within the system. (This product is not intended for use in systems where convection is used to move the oil as this does not provide adequate flow causing local hot spots that will rapidly deteriorate the oil.)
- The expansion tank should be well above the next highest point in the system.

Precautions & System Preparation:

OBLube Heat Transfer Oil should not come in contact with air during operation since air will rapidly oxidize the hot oil. As with any heat transfer system operating on oil and petroleum products leaks should be thoroughly eliminated as the spray or escape from leaks may cause this product to spontaneously ignite. It is recommended that the system be thoroughly cleaned before filling with this product.

Typical Physical Characteristics:

OBLUBE HEAT TRANSFER OIL						
ISO VG Grade			32	46	68	100
Appearance	Unit	Test Method	Pale Yellow, Clear & Bright			
Viscosity @ 40°C	cSt	ASTM D 445	32.0	46.0	67.0	100
Viscosity Index		ASTM D 2770	98	98	98	97
Pour Point	°C	ASTM D 97	-12	-9	-9	-9
Flash Point	°C	ASTM D 92	212	224	250	255
Auto-Ignition Temperature	°C	ASTM D 5372	350	360	370	380

Health and Safety:

OBLUBE Lubricants are unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained. Use gloves which are impervious to oil and chemicals when handling used oils. Avoid skin contact. If lubricants come in contact with skin, wash immediately with soap and water.

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