THERM 32

THERMAL HEAT TRANSFER OILS
APPLICABLE FOR LOST LUBRICATION IN OPEN BEARINGS

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Rev. 7

DESCRIPTION & APPLICATIONS

Heat transfer oil fortified with mineral-based anti-oxidation additives.

All industrial installations where a heat transfer oil.
Melting vats, heating, molds, etc. .. Open and semi-openbearings with lost lubrication

To ensure good heat transfer without extreme temperatures reach into the contact zone between the heating element and the liquid, the heating surface large enough (+, - 30 kW / m^2). At a temperature of eg 260 ° C the ideal temperature difference between the oil bath and the contact surface of the heater between 12 and 28 ° C. This assumes that temperature at a circulation speed of 3 m / s.

ADVANTAGES

- High thermal conductivity.
- Anti-oxidant properties.
- Excellent foam control
- Thermal stability.

ENVIRONMENT, HEALTH & SAFETY

Please consult also the Safety Data Sheet about how to manipulate and to stock the product as well as to learn about the first aid measurements in case of accident.

Elimination after use must be made in conformity with the local rules in force about used oils disposal.
When needed, Safety Data Sheet can be obtained upon request.

Conservation of the product: 3 year(s) in closed container and sheltered.

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PROPERTIES

CHARACTERISTICS	UNITS	METHODS	TYPICAL DATA
ISO VG	-	-	32
Density at 15°C	kg/m³	NFT 60101	0,875
Kinematic viscosity at 40°C	mm²/s (cSt)	NFT 60100	30
Kinematic viscosity at 100°C	mm²/s (cSt)	NFT 60100	5,2
Viscosity index	-	NFT 60136	100
Flash point	°C	NFT 60118	200
Pour point	°C	NFT 60105	-12
Max. film temperature	°C		310
Specific heat at 20°C	Cal/g/°		0,46
Specific heat at 100°C	Cal/g/°		0,51
Coefficient of expansion	1 / °C	-	0,000633

The average values are given for information only.