

# HEAT TRANSFER FLUID

A PREMIUM QUALITY HEAT TRANSFER FLUID

**Product Description:** HEAT TRANSFER FLUID 32 & 46 are manufactured from solvent extracted paraffinic base oil specifically designed for use as a heat transfer fluid. Contains an effective inhibitor to assist in keeping systems clean and resist oxidation and thermal cracking. The low viscosity of Heat Transfer Fluid 32 & 46 permits rapid and efficient transfer of heat and greater ease of circulation.

## Features:

- Low viscosity for efficient heat transfer.
- Good thermal and oxidation stability for long service life.
- High thermal conductivity for quick rates of heat transfer.
- Low pour point to avoid cold start difficulties.
- Non-corrosive to steel, stainless steel or aluminum heat transfer systems.
- Economical - long life oil.

## Typical Uses:

- Recommended for use in both "open" and "closed" systems found in asphalt plants, chemical plants and other industries.
- Used in closed systems where the bulk fluid temperature does not exceed 600° F.
- Used in open systems where fluid temperatures do not exceed 395° F. at point of contact with air. The fluids most likely point of contact with air occurs at the expansion tank which is vented to the atmosphere.
- Petroleum products are not recommended for heat transfer systems where bulk fluid temperature exceeds 600° F. in both "open" and "closed" systems.
- In open systems where oil is exposed to air, the oil temperature should always be 25° F. lower than the flash point of the oil.

## Typical Specifications:

GRADE, ISO	32	46
Gravity °API	31.8	29.0
Flash Point, °F.	420	420
Fire Point, °F.	450	450
Pour Point, °F.	-20	-20
Viscosity:		
SUS @ 100° F.	165	237
SUS @ 210° F.	44.3	48.8
cSt. @ 40° C.	32	46
cSt@100° C.	5.38	6.74
Viscosity Index	103	99
Color, D-1500	1.0	2.0
Latent Heat @ 600°F, BTU/LB	62.0	62.0
Vapor Pressure @ 600°F, psi	4.72	4.72

VALUES SHOWN HERE ARE TYPICAL AND MAY VARY.