

# HITERM 300

Mineral oil based heat transfer fluid

## Description

**HITERM 300** is formulated with selected base oil. It has a good oxidation stability for various viscosity requirement and operating temperatures condition.

## Applications

**HITERM 300** is suitable for enclosed heat transfer system that required mineral oil. It has maximum boiler outlet temperature of 300 °C and maximum boiler wall temperature of 320 °C.

## Specification Meets:

DIN 51 522 requirement, classified as ISO 6743-12 Family Q.

## Advantages

- ▶ Good rust and corrosion protection.
- ▶ Good filter ability characteristics.
- ▶ Resistant to sludge formation.
- ▶ Foam protection

## Typical Data of HITERM

| Characteristics                    | Unit     | HITERM | Test Method |
|------------------------------------|----------|--------|-------------|
|                                    |          | 300    |             |
| Color                              |          | L 0.5  | ASTM D 1500 |
| Density @ 15 °C                    | kg/L     | 0.8687 | ASTM D 4052 |
| Kinematic Viscosity @ 40 °C        | cSt      | 32.5   | ASTM D 445  |
| Kinematic Viscosity @ 100 °C       |          | 5.65   |             |
| Viscosity Index                    |          | 114    | ASTM D 2270 |
| Flash Point (COC)                  | °C       | 228    | ASTM D 92   |
| Pour Point                         | °C       | -15    | ASTM D 97   |
| Sequence I : 24 °C                 | mL       | 0/0    | ASTM D 892  |
| Sequence II : 93.5 °C              |          | 10/0   |             |
| Sequence III : 24 °C after 93.5 °C |          | 0/0    |             |
| Total Acid Number                  | mg KOH/g | 0.03   | ASTM D 974  |
| Conradson Carbon Residue           | %wt      | 0.03   | ASTM D 189  |
| Distillation Range :               | °C       |        | ASTM D 1160 |
| Initial Boiling Point              |          | 366.8  |             |
| 5% Distilled                       |          | 402.0  |             |
| 10% Distilled                      |          | 435.3  |             |
| 95% Distilled                      |          | 490.7  |             |
| Final Boiling Point                | 501.1    |        |             |

\* the typical characteristic mentioned represent mean values