



PETROLEUM

VKB PETROLEUM DITHERM HT 32

VKB Petroleum **DITHERM** HT 32 is used for filling heat transfer units. It has an excellent proprietary superior quality hydro treated paraffinic base stocks. The high quality of **DITHERM** HT 32 heat transfer oil guarantees its resistance to high-temperature degradation and oxidation resistance, thus preventing deposit and sludge formation during operation and ensuring thermal stability up to oxidation stability and withstand thermal decomposition, being formulated from temperatures where cracking starts. High natural viscosity index and low temperature behavior permit easy circulation with simple pumping equipment over a broad temperature range and long service life for proven trouble-free operation.

APPLICATIONS

VK Petroleum **DITHERM** HT 32 can be used in all "open" or "closed" type units with:

- * Maximum boiler wall temperature 350°C
- * Maximum boiler outlet temperature 320°C

OPERATING ADVICE

When starting-up a new unit or when restarting after maintenance, and also in the case of irregular operation at normal temperature caused by residual moisture in the oil, the temperature of the unit should be reduced to around 100°C and all the Steam blown off before returning to the normal working temperature.

TYPICAL TECHNICAL DATA

| Characteristics | Unit | Test Method | Typical Values |
|-----------------------|--------------------|-------------|----------------|
| Color | - | ASTM D 1500 | 1.5 |
| Specific Gravity | kg/l | ASTM D 1298 | 0.875 |
| Viscosity @ 40°C | mm ² /s | ASTM D 445 | 30.5 |
| Viscosity @ 100°C | mm ² /s | ASTM D 445 | 5.2 |
| Viscosity Index | - | ASTM D 2270 | 95 |
| Pour Point | °C | ASTM D 97 | -4 |
| Flash Point | °C | ASTM D 93 | 199 |
| Neutralization Number | mg KOH/g | ASTM D 974 | <0.03 |
| Saturates | % wt | IP 368 | >95 |
| Expansion Coefficient | m ³ /°C | - | 0.00066 |
| Copper Corrosion | - | ASTM D 130 | 1 |
| RCC Conradson | wt | wt | 0.15 |

