



## CHALLOILS DIATERMICOIL

### Product Description:

**DIATERMICOIL** is a diathermic fluid formulated with severely refined bases and an additivation such as to give the product excellent stability, high specific heat, high flash point and low vapor pressure.

It's guaranteed:

- Easy low temperature starts
- Reduced cracking phenomena
- Excellent heat transmission

**DIATERMICOIL** is used in conventional closed-circuit heating medium-high temperature circulation systems, operating in a temperature range between -8 and +300 °C, in dual-cycle operating systems (heating and cooling) and in all equipment thermals in which the surface of the hot oil is in direct contact with the atmosphere.

### Features and Benefits:

- Better heat exchange efficiency
- Absence of pump cavitation phenomena
- No corrosion on metals commonly used in diathermy plants

### Typical properties:

#### **CHALLOILS DIATERMICOIL**

Viscosity ASTM D-445

cSt @ 40°C	25 – 30
cSt @ 100°C	4,4 – 5,2
Viscosity index ASTM D-2270	≥100
Pour point, °C, ASTM D-97	≤-9
Flash point, °C, ASTM D-92	≥230
Density @ 15°C, Kg/l, ASTM D-1298	≥0,860
Specific heat at 300°C, Kj/Kg °C	2,5
Thermal conductivity at 300°C, W/m °C	0,114
Carbonaceous residue, %wt, ASTM D-4530	0,05

### Health and Safety:

The data related to health, safety and environmental protection are provided in the material safety data sheets.

*The above figures are those relating to normal manufacturing tolerances and do not constitute a specification.*

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