

# WHEELERS Thermocur 32

## Heat Transfer Oil

### Description

**Wheeler's Thermocur 32** is a thermal oil, which because of its low viscosity and the good heat transfer properties covers a wide range of conventional applications. Excellent thermal behaviour contributes to efficient operation conditions. The good thermal and oxidative stability prevents built-up of residues, viscosity increase or fast decrease of flash point. This assures stable operation conditions and reduced downtimes. The low viscosity provides good flow ability, and allows easy starting the installation at low temperatures and high circulation efficiency at any weather conditions.

### Application

**Wheeler's Thermocur 32** should not be blended with other oils, because this could interfere with the oil analysis and the life time of the oil could be shortened. Air contact has to be avoided, because oxygen expedites aging of the heat transfer oil. In case of good maintenance and professional construction of the heat transfer plant, with **Wheeler's Thermocur 32** service life up to several years can be achieved. In our service line we are compiling life time inspections of used **Wheeler's Thermocur 32** and we will supply customers with indications about the oil condition and its further applicability.

**Wheeler's Thermocur 32** may be inflamed spontaneously.

### Application

**Wheeler's Thermocur 32** is used:

- in closed indirect heating- and cooling-circuits operated in any types of industrial processes at of 285°C and under atmospheric pressure
- in open systems, not exceeding a supply temperature of 150°C
- in units down to a minimum downtime temperature of -10°C

### Qualification

- Heat transfer oil Q according DIN 51 522

### Typical Values

Wheeler's Thermocur 32	Unit	Unit	Method
SAE - Grade		<b>32</b>	
Density at 15°C	kg/m <sup>3</sup>	870	DIN 51 757
Kinematic viscosity at 40°C	mm <sup>2</sup> /s	31	DIN 51 562
Kinematic viscosity at 100°C	mm <sup>2</sup> /s	5,3	DIN 51 562
Pour point	°C	-12	DIN ISO 3016
Flash point	°C	230	DIN ISO 2592
thermal application range	°C	-10 to 285	DIN ISO 3771
maximum allowable film temperature	°C	310	

Specification variations in these characteristics may occur the instructions of manufacturer

must be regarded. Further information's to be available by MSDS.

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