

Swd Rheinol Thermocur 32

Heat Transfer Oil

Description and Properties

Swd Rheinol 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 flowability, and allows easy starting the installation at low temperatures and high circulation efficiency at any weather conditions.

Application

Swd Rheinol 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 **Swd Rheinol Thermocur 32** service life up to several years can be achieved.

*In our service line we are compiling life time inspections of used **Swd Rheinol Thermocur 32** and we will supply customers with indications about the oil condition and its further applicability.*

Swd Rheinol Thermocur 32 should only be used in systems with forced circulation. In systems, which are transferring the heat by convection, the fluid circulation is too slowly and local overheating and fast pyrolysis of the oil cannot be avoided. In the case of leakage or spraying hot **Swd Rheinol Thermocur 32** may be inflamed spontaneously.

Swd Rheinol 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

Swd Rheinol Thermocur 32	unit	value	method
ISO - classification		32	
density at 15°C	kg/m³	870	DIN 51 757
kinematic viscosity at 40°C	mm²/s	31	DIN 51 562
kinematic viscosity at 100°C	mm²/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	
maximum allowable film temperature	°C	310	

Article-No. : 38511

Specification variations in these characteristics may occur.
 The instructions of manufacturer must be regarded.
 Further informations to be available by MSDS.

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