



## HEAT TRANSFER OIL

# ADDINOL HEAT TRANSFER OIL XW 30 M 250

### PRODUCT DESCRIPTION

ADDINOL Heat transfer oil XW 30 M 250 consists of high-quality mineral oil raffinates and an active agent for the improvement of oxidation stability and corrosion protection.

### APPLICATION

- Excellent suitability as heat transfer media in heating and/or combined heating-cooling systems
- Applicable for the following flow temperatures at the recommended minimal flow rates of the heat transfer oil:

Flow rate	Flow temperature	Film temperature
1.5 m/s	< +205°C	up to 220°C
2.0 m/s	+205°C up to +260°C	220°C up to 280°C
3.0 m/s	+260°C up to +300°C	280°C up to 320°C *
3.5 m/s	+300°C up to +310°C	320°C up to 330°C *

\* short term without oxygen contact

- Applicable, where direct heating is not possible
- Particular suitability for careful and/or safe heating of dangerous or sensitive substances in closed systems
- Fit for pressure-free heating of heat exchange plants for the whole industrial range, e.g. for drying and distilling plants, calander, mixer, extrusion, spraying towers, autoclaves, presses and rollers

### SPECIFICATIONS/APPROVALS

Meets the requirements of the following specification:

- DIN ISO 6743-12 QB

### PLEASE NOTE !

To avoid oxidative damages of the heat transfer oil, the compensation reservoir should be filled with an inert gas (typically with nitrogen).

A nitrogen atmosphere is absolutely necessary at application temperatures within the flash point (please see chart on the back).

Please consider the product compatibility during the product changeover! The used oil should be drained completely from the system. If necessary, flush the system with the new product.

### DELIVERY

Delivery preferable in drums and 20 l cans.

### CHARACTERISTICS

- High thermal stability
- High initial boiling point under atmospheric pressure
- Good ageing resistance

### ADVANTAGES AND BENEFITS

- Long oil lifetime
- Safe heating in closed systems
- Low tendency to form deposits in the heat exchanger



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## SPECIFICATIONS AND TYPICAL PARAMETERS

Feature	Test condition / unit		XW 30 M 250	Method acc. to
Colour, appearance			clear, yellowish	visual
Temperature range		°C	-5 up to +310	
Max. film temperature		°C	+330	
Density	at 15°C	kg/m <sup>3</sup>	848	DIN 51757
Viscosity	at 40°C	mm <sup>2</sup> /s	29	ASTM D 7042
	at 100°C	mm <sup>2</sup> /s	5.4	
Flash point	COC	°C	min. 230	DIN EN ISO 2592
Flash point	PM	°C	min. 210	DIN 2719
Pour point		°C	max. -9	ASTM D 7346
Boiling point		°C	min. 360	ASTM D 1160
Water content		Mg/kg	max. 100	DIN EN ISO 12937
Coke residue acc. to Conradson		%	max. 0.01	DIN 51551-1

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The data given in this product sheet represent our current level of knowledge and experience. Due to the various specific application they do, however, not discharge the user from his own examination. The information provided herein may not be used to derive a legally binding warranty of specific properties or the suitability for a certain purpose of application. Detailed security-concerning and toxicological data as well as security instructions for each product can be taken from the corresponding Material Safety Data Sheets (MSDS). High-performance lubricants from ADDINOL are under continuous development. Therefore, ADDINOL Lube Oil GmbH keeps the right to change technical data in this product data sheet without notification. In case of doubt, please do not hesitate to contact our customers' advisory service.