



eni Alaria 3

eni Alaria 3 is a heat transfer oil on mineral oil base from paraffinic base oils and has an excellent oxidation stability and stability against thermal decomposition.

Characteristics (typical figures):

eni Alaria 3		Unit		Test method
Kin. Viscosity	at 40°C	mm ² /s	30	ASTM D 445
	at 100°C	mm ² /s	5,3	
Viscosity index			105	DIN ISO 2909
Density at 15°C		kg/m ³	870	ASTM D 1298
Flashpoint o. C.		°C	215	ASTM D 92
Pourpoint		°C	-12	ASTM D 97
Carbon residue acc. to Conradson		%wt	<0,01	
Coefficient of extension		mc/°C	0,00066	

Properties and Performance:

- The high product quality of **eni Alaria 3** guarantees a low tendency of sludge and deposit formation
- Furthermore the paraffinic base oil ensures good demulsibility and air release properties to provide the performance capacity of the heat transfer unit and to prevent the formation of oil vapour or bubbles.
- During the application the heat transfer characteristic of **eni Alaria 3** hardly changes due to the high ageing and high-temperature stability.
- During the service time the high grade of refinement protects from sludge and deposit formation and the high quality level of the used base oil ensures a temperature stability also at temperatures shortly under the cracking temperature.

Applications:

eni Alaria 3 is a high-quality heat transfer oil for the indirect heating of temperature-sensitive materials. It is used where local overheating and thermal decomposition of the products to be heated has to be avoided. It has proven in open and closed circulations for the heating of calenders, plywood presses, drying equipment and tar mixing equipment. However it has to be observed, that with this heat transfer oil in the plant, locally the overleaf mentioned admissible film temperatures are not exceeded. Operations with higher temperatures than the listed values shorten the serviceability of the oils depending on the temperature altitude and the period of exceeding the temperature.

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Additional physical-technical data:

eni Alaria 3	Unit	3	Test method
Highest admissible inlet temperature	°C	305	
Highest admissible oil film temperature	°C	320	
Designation		Q 32	DIN 51 502