PRODUCT DATA SHEET

Agip ALARIA 3

Heat transfer oils based on mineral oil of paraffinic base oils.

Characteristics (typical figures):

Agip ALARIA		Unit	3	Test method
Kin. Viscosity	at 40°C	mm²/s	30	ASTM D 445
	at 100°C	mm^2/s	5,3	
Viscosity index			105	DIN ISO 2909
Density at 15°C		kg/m³	870	ASTM D 1298
Flashpoint o. C.		°C	215	ASTM D 92
Pourpoint		°C	-9	ASTM D 97
Designation			Q	DIN 51 522
ISO-VG-grade			32	DIN 51 519

Properties and Performance:

Agip ALARIA has a very favorable natural viscosity temperature behaviour, that means low change of viscosity at temperature variations. The very good oxidation stability and a high thermal stability guarantee a long operation period of the oil filling. This oil does not tend to sludge, coke, vapour formation or vapour lock and keeps ageing products in suspension, so that deposits are prevented. Due to the very low viscosity favorable heat transfer values are achieved, also at low flow speeds. Negative influences on materials are not to be expected. The compatibility with the common sealing materials is ensured.

Applications:

Agip ALARIA is a high quality heat transfer oil for the indirect heating of temperature sensitive materials. It is applied where local overheating and a thermal decay of the products to be heated shall be prevented. In open and closed circulations for the heating of calenders, plywood presses, drying equipment and tar mixing equipment it has been proved. outstanding. However it has to be observed, that with this heat transfer oils in the equipment locally the overleaf mentioned admissible film temperatures are not exceeded.

Operation temperatures that are above the mentioned values shorten the using ability of the oils according to the hight and duration of the temperature exceeding.

Please observe the manufacturer's specifications when selecting products.

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Additional physical-technical data:

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

Specifications:

DIN 51 522 Q