Eni Alaria 7

APPLICATIONS

Eni Alaria 7 is a high performance product usable as a fluid for transfer of thermal energy to diathermic systems. Made by highly refined bases oils, at the reccommended operating temperatures they are characterized by an excellent oxidative stability and thermal cracking resistance.

Eni Alaria 7 can be used in any type of plant, either open or closed system and under forced circulation. In well-designed modern closed systems, in a controlled condition, in air absence and atmospheric pressure or in pressurized inert gas systems, the maximum operating temperatures are:

• Maximum bulk oil temperature: 300°C

• Maximum oil film temperature: 315°C

In open systems, the presence of air affects the thermal stability of the product, the Maximum bulk oil temperature is 180°C.

If the operational oil conditions are at higher than recommended temperatures, it will be subject to degradation phenomena that could result in vapor bubbles formation in the circuit and in a sensitive reduction of the flash point and reducing the oil shelf-life.

CUSTOMER ADVANTAGES

- High thermal exchange properties, in forced circulation condition, ensures optimum heat transfer
- Very high resistance to thermal cracking contributes to the control of the formation of sludge and deposits
- Improves operational efficiency thanks to high thermo-oxidative stability
- Excellent demulsibility ensures the rapid and effective water separation

SPECIFICATIONS - APPROVALS

- ISO 6743/12 QB

Eni Alaria 7

CHARACTERISTICS

Properties	Method	Unit	Typical
Appearance	APM 27	-	clear
Density at 15°C	ASTM D 4052	kg/m³	890
Viscosity at 40°C	ASTM D 445	mm²/s	94
Viscosity Index	ASTM D 2270	-	97
Flash point (COC)	ASTM D 92	°C	249
Pour point	ASTM D 97	°C	-6

WARNINGS

- Do not exceed recommended operating temperatures