eni Alaria 3 XT ID

PRODUCT DATA SHEET

eni Alaria 3 XT ID is used for filling heat transfer units. It has excellent oxidation stability and withstands thermal decomposition, being formulated from carefully selected paraffinic base stocks.

CHARACTERISTICS (TYPICAL FIGURES)

eni Alaria 3 XT ID

Appearance	-	B & C
Density at 15°C	kg/L	0.842
Viscosity at 40°C	cSt	33.8
Viscosity at 100°C	cSt	6.3
Viscosity Index	-	139
Flash Point	°C	232
Pour Point	°C	-9
CCR	%wt	0.01

PROPERTIES AND PERFORMANCE

- The high quality of **eni Alaria 3 XT ID** guarantees its resistance to high-temperature degradation, thus preventing deposit and sludge formation.
- High-grade refining prevents deposit and sludge formation during operation, while the superior quality level ensures thermal stability up to temperatures where cracking starts.
- The paraffinic base stocks is refined to guarantee good demulsibilty and air-separation performance, thus ensuring proper operation of the heat transfer unit, by preventing the formation of steam and air bubbles at the hottest points.
- The heat characteristics of **eni Alaria 3 XT ID** remain practically unchanged while in service, due to their excellent oxidation resistance and high temperature stability. Those characteristics give extend their life time in service.

APPLICATIONS

eni Alaria 3 XT ID can be used in closed type units with:

- Maximum boiler outlet temperature 315 °C
- Maximum boiler wall temperature 345 °C

eni ALARIA 3 XT ID is also suitable for open type unit with maximum temperature 150 °C . Higher working temperatures reduce oil life; the closer the working temperature to the cracking temperature and the longer that condition persists, the shorter the life.

eni Alaria 3 XT ID is also suitable for lubricating textile and glass-making machinery, for the preparation of silk-screen printing impasses in the ceramic industry, for the cutting of small ferrous and non-ferrous parts, for soaking plant fibres and as process oil in the production of ceramics and rubbers.

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OPERATING ADVICE

When starting-up a new unit or when restarting after maintenance:

1. Increasing gradually the bulk temperature 20°C per hour to release residual air.
2. Maintain a while during the temperature at 120°C - 140°C and again at 170°C - 190°C to release steam and gas through expansion tank and any release valve (if available).
3. Increasing gradually the bulk temperature to get operational/working temperature.

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