

eni Alaria XT ID

eni Alaria 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. They are available in two grades.

CHARACTERISTICS (TYPICAL FIGURES)

eni Alaria XT ID

Grade		3	5
Appearance	-	B & C	B & C
Density at 15°C	kg/L	0.842	0.855
Viscosity at 40°C	cSt	32.2	50.9
Viscosity at 100°C	cSt	5.9	8.1
Viscosity Index	-	128	128
Flash Point	°C	230	232
Pour Point	°C	-9	-9
CCR	%wt	0.01	0.01

PROPERTIES AND PERFORMANCE

- The high quality of eni Alaria 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 demulsibility 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 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 XT ID 3 can be used in closed type units with:

_	Maximum boiler outlet temperature	315 °C
_	Maximum boiler wall temperature	345 °C
eni	Alaria XT ID 5 can be used in closed type units with:	
_	Maximum boiler outlet temperature	325 °C
_	Maximum boiler wall temperature	340 °C

ENI ALARIA XT ID is also suitable for open type unit with maximum temperature 150 °C (eni Alaria XT ID 3) and 160 °C (eni Alaria XT ID 5). 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.

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eni Alaria 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.

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.