



AGIP ALARIA 3 e 7

AGIP ALARIA oils are used for filling heat transfer units. They have excellent oxidation stability and withstand thermal decomposition, being formulated from carefully selected paraffinic base stocks. They are available in two grades.

CHARACTERISTICS (TYPICAL FIGURES)

AGIP ALARIA		3	7
Viscosity at 40°C	mm ² /s	30	98
Viscosity at 100°C	mm ² /s	5,3	10,9
Viscosity Index	-	105	95
Flash Point COC	°C	216	270
Pour Point	°C	-9	-9
Mass Density at 15°C	kg/l	0,875	0,889

PROPERTIES AND PERFORMANCE

- The high quality of AGIP ALARIA heat transfer oils guarantees their resistance to high-temperature degradation, thus preventing deposit and sludge formation.
- The three viscosity grades permit selection of the oil best suited for operating conditions, as far as temperatures are concerned.
- 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 stock 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 transfer characteristics of AGIP ALARIA remain practically unchanged while in service, due to the very good oxidation resistance of these oils and their high-temperature stability.

APPLICATIONS

AGIP ALARIA 3 can be used in all “open” or “closed” type units with:

- maximum boiler outlet temperature: 305°C
- maximum boiler wall temperature: 320°C

AGIP ALARIA 7 can be used in all “open” or “closed” type units with:

- maximum boiler outlet temperature: 300°C
- maximum boiler wall temperature: 315°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.

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OPERATING ADVICE

When starting-up a new unit or when restarting after maintenance, and also in the case of irregular operation at normal temperature caused by residual moisture in the oil, the temperature of the unit should be reduced to around 100°C and all the steam blown off before returning to the normal working temperature.

PACKAGING AVAILABLE

- 210 liter (drum)
- 20 liter (pail)