

AGIP THERM OIL XT



AGIP THERM OIL XT 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)

Grade		3XT	5XT
Appearance	-	B & C	B & C
Density at 15°C	kg/L	0.850	0.855
Viscosity @ 40°C	cSt	32.2	50.9
Viscosity @ 100°C	cSt	5.9	8.1
Viscosity Index	-	128	128
Flash Point	°C	230	232
Pour Point	°C	-15	-12
CCR	%wt	0.01	0.01

PROPERTIES AND PERFORMANCE

- The high quality of AGIP THERM OIL XT 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 AGIP THERM OIL XT 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

AGIP THERM OIL 3XT can be used in closed type units with:

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

AGIP THERM OIL 5XT can be used in closed type units with:

- Maximum boiler outlet temperature 325 °C
- Maximum boiler wall temperature 340 °C

AGIP THERM OIL XT is also suitable for open type unit with maximum temperature 150 °C (AGIP THERM OIL 3XT) and 160 °C (AGIP THERM OIL 5XT). 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.

AGIP THERM OIL XT 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.