

# AGIP THERM OIL 3 XT



AGIP THERM OIL 3 XT is used for filling heat transfer units. They have excellent oxidation stability and withstand thermal decomposition, being formulated from synthetic quality base stocks.

## CHARACTERISTICS (TYPICAL FIGURES)

### AGIP THERM OIL 3 XT

Density at 15°C	kg/L	0.838
Viscosity at 100°C	mm <sup>2</sup> /s	6.6
Viscosity at 40°C	mm <sup>2</sup> /s	35.1
Viscosity Index		146
Flash Point, COC	°C	240
Pour Point	°C	-12
CCR, max	% wt	0.01

## PROPERTIES AND PERFORMANCE

- The very high quality of AGIP THERM OIL 3 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 synthetic quality 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 3 XT remain practically unchanged while in service, due to the very good oxidation resistance of these oils and their high-temperature stability.

## APPLICATIONS

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

- Maximum boiler outlet temperature : 315°C
- Maximum boiler wall temperature : 335°C

AGIP THERM OIL 3 XT is also suitable for open type unit with maximum temperature 160°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.

AGIP THERM OIL 3 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. Circulate the oil at ambient temperature to release residual air.
2. Increase temperature gradually and maintain at 100°C – 110°C to release moisture in the oil and all the steam blown off before going to the normal working temperature.