



Application

Lazio-oil Heat Transfer 300 HT 3 is a high-performance thermal fluid designed for efficient heat transfer in diathermic systems. Crafted from highly refined base oils, it provides excellent oxidative stability and resistance to thermal cracking when used within the recommended temperature ranges.

Lazio-oil Heat Transfer 300 HT 3 is versatile and can be used in both open and closed systems, including those with forced circulation. In well-designed, modern closed systems operating under controlled conditions (air-free environments, atmospheric pressure, or pressurized inert gas systems), the maximum recommended operating temperatures are:

- Maximum bulk oil temperature: **320°C**
- Maximum oil film temperature: **340°C**

In open systems, the presence of air impacts the thermal stability of the fluid, limiting the maximum bulk oil temperature to 180°C.

Exceeding the recommended operational temperatures may cause the fluid to degrade, leading to the formation of vapor bubbles within the circuit, a significant reduction in the flash point, and a shortened shelf life of the oil. maintaining proper temperature control is essential to ensure optimal performance and longevity.

- **Do not exceed recommended operating temperatures**

Specifications

- ISO 6743/12 QC

Characteristics

Properties	Method	Unit	Typical
Appearance	APM 27	-	clear/visual
Density at 15°C	ASTM D 4052	kg/m3	850
Viscosity at 40°C	ASTM D 445	mm2/s	30
Viscosity Index	ASTM D 2270	-	112
Flash point COC	ASTM D 92	°C	224
Pour point	ASTM D 5950	°C	-15