



## Application

Lazio-oil Heat Transfer 700 HT 7 is a high-performance thermal fluid designed for efficient heat transfer in diathermic systems. Formulated with highly refined base oils, it provides excellent oxidative stability and resistance to thermal cracking when used within the recommended temperature range.

Lazio-oil Heat Transfer 700 HT 7 is suitable for use in both open and closed systems, including those with forced circulation. In modern, well-designed closed systems operating under controlled conditions—such as air-free environments, atmospheric pressure, or pressurized inert gas systems—the maximum recommended operating temperatures are:

- Maximum bulk oil temperature: **300°C**
- Maximum oil film temperature: **315°C**

In open systems, where the presence of air can affect thermal stability, the maximum bulk oil temperature is limited to 180°C.

Exceeding the recommended operational temperatures can lead to degradation, causing issues such as vapor bubble formation within the circuit, a significant reduction in flash point, and a decrease in the oil's shelf life. Proper temperature control is crucial to maintaining the fluid's performance and extending its operational life.

- **Do not exceed recommended operating temperatures**

## Specifications

- ISO 6743/12 QB

## Characteristics

Properties	Method	Unit	Typical
Appearance	APM 27	-	clear/visual
Density at 15°C	ASTM D 4052	kg/m <sup>3</sup>	890
Viscosity at 40°C	ASTM D 445	mm <sup>2</sup> /s	94
Viscosity Index	ASTM D 2270	-	97
Flash point COC	ASTM D 92	°C	249
Pour point	ASTM D 5950	°C	-6