



Perfecto HT 12

Heat Transfer Oil

Description

Castrol Perfecto™ HT 12 is based on a solvent-refined, high viscosity index mineral oil specially selected for its high thermal and oxidation stability.

Application

Perfecto HT 12 is primarily intended for use in closed heat transfer systems with bulk temperatures up to 300°C. It can also be used in open systems at much lower bulk oil temperatures.

Advantages

- Controlled specification helps minimise deposits in heat exchangers in order to maintain heat transfer efficiency
- High operating temperature capability in closed systems with temperatures up to 300°C permitted

Typical Characteristics

Name	Method	Units	HT 12
Appearance	Visual	-	Clear & Bright
Density at 15°C	ISO 12185 / ASTM D4052	kg/m ³	887
Kinematic Viscosity at 40°C	ISO 3104 / ASTM D445	mm ² /s	100
Kinematic Viscosity at 100°C	ISO 3104 / ASTM D445	mm ² /s	11.1
Viscosity Index	ISO 2909 / ASTM D2270	-	97
Flash Point - open cup method	ISO 2592 / ASTM D92	°C	264
Pour Point	ISO 3016 / ASTM D97	°C	-12
Specific Heat at 15°C	ASTM D2766	kJ/kg, °C	1.84
Thermal Conductivity at 15°C	ASTM D2717	W/m°C	0.131
Autoignition temperature	ASTM E659	°C	438

Subject to usual manufacturing tolerances.

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