



Product Data

Perfecto™ HT

Heat Transfer Oils

Description

Castrol Perfecto™ HT Range (previously called Heat Transfer Oil Light 100 and Heat Transfer Oil 1590) are formulated from very stable paraffinic base oils that are fortified with high temperature oxidation inhibitors that carry away heat from critical components. Perfecto HT's high viscosity index coupled with a low pour point offers excellent circulation during cold weather startups, eliminates heat from over heated pump motors, and protects against hot spots (high fluid temperature in the heat exchanger).

Advantages

Perfecto HT delivers:

- Low vapor pressure at elevated temperatures and a high boiling point to prevent pressure build-up
- Low carbon residue
- Non-foaming
- Long shelf life.

Perfecto HT 4 (Heat Transfer Oil Light 100 Light) is recommended for application in closed circulation systems with temperatures up to 287° C (550° F). Perfecto HT 4 is particularly applicable where high transfer rates or good flow rates at fairly low temperature are desired.

Perfecto HT 5 Plus (Heat Transfer Oil 1590) is recommended for application in closed circulation systems with temperatures up to 315°C (600° F).

Typical Characteristics

Name	Method	Units	HT 4	HT 5 Plus
ISO Grade	-	-	22	46
Viscosity at 40°C	ASTM D445	cSt	20.2	46.5
Viscosity at 100°C	ASTM D445	cSt	4.0	7.1
Viscosity at 100°F	ASTM D2161	SUS	106	242
Viscosity at 210°F	ASTM D2161	SUS	39	51
Viscosity Index	ASTM D2270	-	97	100
Flash Point	ASTM D92	°C / °F	190°C / 375°F	215°C / 420°F
Pour Point	ASTM D97	°C / °F	-28°C / -18°F	23°C / -10°F
Gravity	ASTM D287	-	33.5	31.6
Specific Gravity @ 60°F	ASTM D1298	g/ml	0.8576	0.8676
Pounds per Gallon	ASTM D287	-	7.141	7.224

Subject to usual manufacturing tolerances.

This range was previously called Heat Transfer Oils. The name was changed in 2015.

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