



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 and excellent demulsibility.
- 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.**

Perfecto™ HT

12 Jan 2018

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This data sheet and the information it contains is believed to be accurate as of the date of printing. However, no warranty or representation, express or implied, is made as to its accuracy or completeness. Data provided is based on standard tests under laboratory conditions and is given as a guide only. Users are advised to ensure that they refer to the latest version of this data sheet. It is the responsibility of the user to evaluate and use products safely, to assess suitability for the intended application and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the product. No responsibility is taken by either BP plc or its subsidiaries for any damage or injury resulting from abnormal use of the material, from any failure to adhere to recommendations, or from hazards inherent in the nature of the material. All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

BP Lubricants USA Inc., 1500 Valley Road, Wayne, NJ 07470  
 Telephone: +1-888-CASTROL Product Information: +1-877-641-1600  
[www.castrol.com/en\\_us/b2b/home.html](http://www.castrol.com/en_us/b2b/home.html)