



Technical Data Sheet

CASTROL PERFECTO T RANGE

DESCRIPTION:

Castrol Perfecto T range of oils has been formulated to meet the exacting lubrication requirements of steam turbines. These oils contain anti-corrosion and anti-oxidation additives, which ensure maximum performance over long periods of operation.

APPLICATION:

- Castrol Perfecto T oils are recommended for the lubrication of gas, steam and water turbines, certain compressors and headstocks of lathes and bearings.
- The product may also be used for power turbines of generating sets based upon aero-derived gas turbines with moderate operating temperatures as well as a lubricant in circulation systems.
- The Castrol Perfecto T range of oils is graded according to the ISO viscosity classification.

BENEFITS:

- Extended equipment and oil life.
- Lower inventory levels.
- Lubrication is provided over a wide temperature range due to the high viscosity index.
- Special additives prevent the formation of rust and metallic oxides, which cause excessive wear in moving parts.
- The product readily separate from water, reducing contamination.
- The product range can be used for a wide range of applications, for example, pumps, motor compressors and hydraulic systems.
- Contains high demulsibility, high viscosity index and low foaming tendency.
- It is a multi-purpose product containing oxidation inhibitors and rust preventative.

SPECIFICATIONS AND APPROVALS:

Castrol Perfecto T grades exceed the requirements of:

- ISO 8068, Type AR & B;
- British Standard BS 489: 1983;
- Deutsch Industries Normen DIN 51515;
- National Power Power Gen, Nuclear Electric 207001;
- General Electric GEK 28143;
- General Electric GEK 27070; and
- Mitsubishi Heavy Industries 769-45192.

Page 2 of Data sheet

MAJOR APPROVALS:

- Siemens KWU
- GEC / Alsthom
- EGT
- Solar
- ABB
- Mitsubishi Heavy Industries
- MAN Maschinenfabrik
- MAN Energie GmbH
- Wier Pumps Ltd.
- Atlas Copco

PACKAGING:

The Castrol Perfecto T range is available in 20 litre pails and 210 litre drums.

TYPICAL CHARACTERISTICS:

Castrol Perfecto	T32	T46	T68	T100
Product Code	34001	34026	34041	34054
Density at 15°C (kg/l)	0,8609	0,8669	0.8727	0.8782
Viscosity @ 40°C (mm ² /s)	32.19	46.00	68.18	99.77
Viscosity @ 100°C (mm ² /s)	5,60	6,70	9.00	11.40
Viscosity Index	114	102	107	101
Flash Point PMC (°C)	200	220	230	230
Pour Point (°C)	-6	-6	-6	-6
Neutralisation No. (mg KOH/gm)	0.07	0,07	0,07	0,07
Additives	R+O*	R+O*	R+O*	R+O*

R + O = Rust and Oxidation Inhibitors

Last Edited: 28/10/2004

This Data sheet and information it contains is considered to be accurate at the date of printing. No warranty or representation, expressed or implied is made as to the accuracy or completeness of the data and information contained in this publication. It is the User's obligation to evaluate and use products safely and within the scope advised in the data sheet and to comply with all applicable laws and regulations. No statement made in this publication shall be construed as a permission, recommendation or authorisation given or implied to practice any patented invention without a valid licence. The Seller shall not be responsible for any loss or damage resulting from any hazards or risks identified in the data sheet and which are associated with petroleum products concerned (provided that this disclaimer shall not affect any statutory right of the Buyer of the petroleum product concerned).