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PRODUCT & TECHNICAL DATA

CASTROL PERFECTO T RANGE
Turbine oils

DESCRIPTION

The Perfecto T range of turbine oils are formulated from highly refined base stocks which exhibit excellent demulsibility, anti-foam and air release properties.

Their oxidative stability and corrosion protection property are further enhanced by the inclusion of specially selected additives.

APPLICATIONS

Perfecto T oils are primarily intended for the lubrication of gas and steam turbines where the base oils used have been selected to give the requisite water separation characteristics as well as providing resistance to foaming and air entrainment, all essential properties for this demanding application.

Perfecto T100 meets the requirements set by most manufacturers of marine steam turbine propulsion machinery. It passes the IP/ASTM rust prevention test and has good oxidation stability measured by the IP/ASTM turbine oxidation stability test (TOST).

Perfecto T-68 meets the lower viscosity requirement favoured by some manufacturers of marine turbine propulsion machinery and is predominantly used for the lubrication of turbine driven marine auxiliary equipment.

Perfecto T-32 is a light turbine oil for applications in small industrial gas turbines, turbo -compressors of off-shore platforms and LNG carriers. It is also used in various ancillary systems requiring R&O inhibited mineral oil to ISO VG 32.

FEATURES/BENEFITS

- Excellent oxidation stability provides trouble free operation for extended periods in aggressive environments where heat, air, moisture and metals can all contribute to oil degradation.
- Good foam and air release properties means the product meets the requirements of most turbine builders.
- Excellent water separation and corrosion inhibition means reduced down time through prolonged lubricant life and increased equipment reliability.

APPROVALS STATUS

Approved by or meet the specifications of major turbine manufacturers such as:

- GEC/Alsthom Siemens KWU.
- General Electric ABB.
- Solar Gas Turbines European Gas Turbine.
- Ingersol Rand Solar.
- John Brown Rolls Royce.
- Mitsubishi Heavy Industries Atlas Copco.
- MAN Wier Pumps Ltd.

CARE AND HANDLING

Avoid prolonged or repeated contact with skin. Wash thoroughly after handling.

PACKAGING AND STORAGE

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and the obliteration of drum markings.

Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

Castrol Marine

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TECHNICAL DATA

TYPICAL CHARACTERISTICS	UNIT	TEST METHOD	VALUE	VALUE	VALUE	VALUE
Perfecto T			32	46	68	100
ISO Grade			32	46	68	100
Density @ 15°C	g/ml	ASTM D4052	0.87	0.88	0.88	0.88
Kinematic Viscosity @ 40°C	cSt	ASTM D445	32	46	68	100
Kinematic Viscosity @ 100°C	cSt	ASTM D445	5.3	6.7	8.6	10.8
Viscosity index		ASTM D2270	102	102	102	97
Flash point, PMCC	°C	ASTM D93	>200	>200	>200	>200
Pour Point	°C	ASTM D97	-12	-12	-12	-12
Neutralisation number	mgKOH/g		<0.2	<0.2	<0.2	<0.2

The above figures are typical of those obtained with normal production tolerance and do not constitute a specification.

GENERAL ADVICE

Further information on all Castrol Marine lubricants is available from any Castrol Marine office or from:

Castrol Marine
Technology Centre
Whitchurch Hill
Pangbourne
Reading RG8 7QR
United Kingdom

www.castrolmarine.com

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