www.Oil18.ru, t/faks(3412)902-313, 902313@inbox.ru

PRODUCT & TECHNICAL DATA

ALPHASYN PG RANGE
Synthetic industrial EP gear oil

DESCRIPTION

The Castrol Alphasyn PG gear oil range of synthetic lubricants are based on poly alkylene glycol (PAG) fluids enhanced with antioxidants, rust inhibitors and Extreme Pressure (EP) additives of high thermal stability.

APPLICATIONS

Alphasyn PG gear oils are primarily intended for use in worm reduction gear boxes, where the low coefficient of friction of the PAG base fluid improves efficiency and consequently reduces power consumption and operating temperatures.

This is particularly important in applications where sliding contact is high. The use of a PAG basestock provides inherently high Viscosity Index (VI) and low pour points making these products suitable for use over a wide temperature range.

FEATURES/BENEFITS

- Low coefficient of friction reduces energy consumption and lowers operating temperatures, this leads to longer oil life.
- Good thermal and oxidative stability provides reliable operation and extended operating life when compared to mineral oil based products.
- Inherently high VI makes the product suitable for operations operating over a wide temperature range.
- High load carrying capacity and good wear protection reduces maintenance.

APPROVALS STATUS

Alphasyn PG meets the requirements of most OEM's that allow the use of PAG based gear oils.

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

PRODUCT & TECHNICAL DATA

TECHNICAL DATA

TYPICAL CHARACTERISTICS	UNIT	TEST METHOD	VALUE	VALUE	VALUE	VALUE
Alphasyn PG			150	220	320	460
ISO Grade			150	220	320	460
Density @ 15°C	g/ml	ISO 12185 / ASTM D4052	1.05	1.06	1.06	1.06
Kinematic Viscosity @ 40°C	cSt	ISO 3104 / ASTM D445	150	220	320	460
Kinematic Viscosity@ 100°C	cSt	ISO 3104 / ASTM D445	28	40	56	80
Viscosity Index	-	ISO 2909 / ASTM 2270	225	235	240	255
Pour Point	°C	ISO 3016 / ASTM D97	-39	-39	-36	-36
Flash Point, PMC	°C	ISO 2719 / ASTM D93	210	210	210	210
Foam Seq I	mls/mls	ISO 6247 / ASTM D892	10/0	10/0	10/0	10/0
Rust Test (24 hrs distilled water)	-	ISO / 7210 / ASTM D665A	Pass	Pass	Pass	Pass
Timken OK Load	lbs	IP 240 / ASTM D2782	65	70	80	85
FZG fail stage (A8.3/90)		ISO 14635-1 / DIN 51354	-	-	>12	>12

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

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.

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

© 2009 BP Marine Limited. All rights reserved.

17th Sept 2009
Version 2.0
Alphasyn PG Range
Page 2 of 2

Produced by BP Marine Limited.
Registered office: Chertsey Road, Sunbury-on-Thames,
Middlesex. TW16 7BP United Kingdom.
Registered in England & Wales, no 01214291.

Castrol Marine