



Castrol Alpha WT Range

Industrial Gear Oils

Description

Castrol Alpha™ WT is a fully formulated industrial gear oil specially designed to mix with water when contamination occurs. It contains a fortified additive package which provides excellent wear and corrosion protection in harsh environments.

Application

Castrol Alpha WT should be used wherever Joy TO-HD lubricants are specified or where water contamination of gear boxes is a concern.

Advantages

- Formulated with an emulsifier package.
- Latest technology additive package.
- Mixes with water in operation.
- Exceeds EP performance of Joy TO-HD specification.
- Provides lubrication in wet environments.
- Premium wear protection of components.

Typical Characteristics

Name	Method	Units	Alpha WT 220
ISO Viscosity Grade	-	-	220
Viscosity Index	ISO 2909 / ASTM 2270		101
Pour Point	ISO 3016 / ASTM D97	°C	-24
Extreme Pressure test - Falex Pin & V-Block	ASTM D3233 (method B)	lbs	4500+
Rust test - distilled water (24 hrs)	ISO 7210/ ASTM D665A	-	Pass
Rust test - synthetic seawater (24 hrs)	ISO 7120 / ASTM D665B	-	Pass
Oxidation Stability - EP oils (95°C @ 312 hrs)	ASTM D2893 / ISO 4263-4	Kv increase @ 100°C (%)	3.2
Copper corrosion (3 hrs @ 100°C)	ISO 2160 / ASTM D130	-	1b
Foam Sequence I / II / III - tendency / stability	ISO 6247 / ASTM D892	ml/ml	10/0, 0/0, 0/0
Four Ball Weld Load test - Weld Point	ASTM D2783	kg	400
FZG Gear Scuffing test - A/8.3/90	ISO 14635-1	Failure Load Stage	12+

Subject to usual manufacturing tolerances.

Castrol Alpha WT Range
 09 May 2014
 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, to the extent that it is permissible by law to exclude warranties and representations, 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. Refer to the MSDS, available from our website for further information. No responsibility is taken by either Castrol NZ, 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 NZ (a business division of BP Oil New Zealand Limited)
 Technical Advice Line: 0800 10 40 60 / Customer Service: 0800 CASTROL (227 876)
<http://msdspd.castrol.com>