



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	Alpha WT 320	Alpha WT 460
ISO Viscosity Grade	-	-	220	320	460
Viscosity Index	ISO 2909 / ASTM 2270	-	101	101	101
Pour Point	ISO 3016 / ASTM D97	°C/°F	-24/-11.2	-21/-5.8	-21/-5.8
Extreme Pressure test - Falex Pin & V-Block	ASTM D 3233 (method B)	lbf	4500+	4500+	4500+
Rust test - distilled water (24 hrs)	ISO 7120 / ASTM D665A	-	Pass	Pass	Pass
Rust test - synthetic seawater (24 hrs)	ISO 7120 / ASTM D665B	-	Pass	Pass	Pass
Oxidation Stability - EP oils (95°C@312 hrs)	ASTM D2893 / ISO 4263-4	Kv increase @ 100°C (%)	3.2	3.2	3.2
Copper corrosion (3 hrs @ 100°C/212°F)	ISO 2160/ ASTM D130	-	1b	1b	1b
Foam Sequence I / II / III - tendency / stability	ISO 6247 / ASTM D892	ml/ml	10/0, 0/0, 0/0	10/0, 0/0, 0/0	10/0, 0/0, 0/0
Four Ball Weld Load test - Weld Point	ASTM D2783	kgf	400	400	400
FZG Gear Scuffing test - A/8.3/90	ISO 14635-1	Failure Load Stage	12+	12+	12+

Subject to usual manufacturing tolerances.

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