



Magna™ PM ZZ Range

Paper Industry Mineral Circulating oil

Description

Castrol Magna™ PM ZZ Range (Previously called Castrol Cresta™ ZFX Range) are zinc-free mineral oil based circulating oils with excellent oxidation stability.

Application

The Magna PM ZZ Range are high quality mineral circulating oils for the lubrication of roll bearings in paper making machinery. These products are based on a highly refined mineral oil, giving long life due to excellent oxidation stability. The zinc-free additive system provides good anti-wear properties without the potential for zinc-based sludge formation which can help in extending filter life, providing cost and time savings associated with filter changes. In addition, the absence of zinc additives reduces the environmental impact of Magna PM ZZ on disposal.

Advantages

- Excellent oxidation stability extends oil life and minimises deposit formation.
- The zinc free formulation can help reduce sludge formation and increase filter life.
- Deposits are maintained in suspension, reducing wear and extending bearing life.
- Good demulsification helps to keep water out of the circulation system and protect bearings and against corrosion.

Typical Characteristics

Name	Method	Units	PM 150 ZZ	PM 220 ZZ
Appearance	Visual	-	Clear & Bright	Clear & Bright
Density @ 15°C / 59°F	ASTM D4052 / ISO 12185	kg/m ³	890	890
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm ² /s	150	220
Kinematic Viscosity @ 100°C / 212°F	ASTM D445 / ISO 3104	mm ² /s	14.5	18.9
Viscosity Index	ASTM D2270 / ISO 2909	-	97	97
Foam Sequence I - tendency / stability	ASTM D892 / ISO 6247	ml/ml	30/0	30/0
Water Separation @ 82°C / 180°F (40/37/ 3)	ASTM D1401 / ISO 6614	min	15	15
Flash Point - closed cup method	ASTM D93 / ISO 2719	°C/°F	226 / 439	230 / 446
Pour Point	ASTM D97 / ISO 3016	°C/°F	-15 / 5	-12 / 10
Four Ball Wear test - Wear Scar Diameter (40 kgf / 75°C / 1200 rpm / 1 hr)	ASTM D2266	mm	0.45	0.45
FZG Gear Scuffing test - A/8.3/90	ISO 14635-1	Failure load Stage	12	12

Subject to usual manufacturing tolerances.

This product was previously called Cresta ZFX. The name changed in 2015

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30 Mar 2015

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

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