

CORTIS MS



LUBRICATION



Premium, Ashless, Anti-Wear Circulating Oil.

APPLICATIONS

Anti-wear oils for all types of applications with moving parts.

SPECIFICATIONS

- **CORTIS MS** oils are multi-purpose, mineral oil based, anti-wear (AW) circulating oils.
- **CORTIS MS** oils meets the technical requirements of Morgan (Morgoil) and Danieli hydrodynamic bearings used in rolling mills.

ADVANTAGES

Long equipment life and high operating reliability.

- DANIELI BGV and ESS Bearings
- Morgoil Lubricant and Morgoil Advanced Lubricant (Morgan Bearing)
- Voith VN 108 Paper Machine Lubricant
- METSO
- DIN 51517 CL & CLP

- Excellent anti-wear properties.
- Resistance to oxidation.
- Ashless formula.
- Non-EP lubricant.
- Excellent water/oil separation properties at both low and high temperatures.
- Excellent thermal stability offers extended drain intervals.

TYPICAL CHARACTERISTICS	METHODS	CORTIS MS					
		100	150	220	320	460	680
ISO Viscosity Grade	ASTM D 445	100	150	220	320	460	680
Viscosity at 40°C, cSt	ASTM D 445	100.0	150.0	210.0	310.0	460.0	680.0
Viscosity at 100°C, cSt	ASTM D 445	14.4	14.4	18.2	23.5	30.5	36.5
Viscosity Index	ASTM D 2270	98	95	95	95	95	95
Density @ 60°F, lbs./gal.	ASTM D 1298	7.41	7.36	7.37	7.41	8.08	7.51
Specific Gravity @ 60/60°F	ASTM D 1298	0.888	0.884	0.889	0.893	0.969	0.902
Pour Point, °F(°C)	ASTM D 97	0(-18)	0(-18)	0(-18)	5(-15)	5(-15)	10(-12)
Flash Point, COC, °F(°C)	ASTM D 92	527(275)	485(252)	510(266)	535(279)	550(288)	432(222)
Water Separation, mins.	ASTM D 1401	15	15	15	20	20	20
FZG Test, Failure Stage	DIN 51354/2	12	12+	12+	12+	12+	12+

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CORTISMS

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This lubricant must be applied as recommended and used for the application for which it was designed. TOTAL Specialties USA, Inc. will have no responsibility for any injury to persons or property resulting from misuse or misapplication of the lubricant. A safety data sheet conforming to the OSHA Hazard Communication Standard 29 CFR Section 1910.1200 can be downloaded at www.totalspecialties.com. Copyright 2016 All rights reserved.