TECHNICAL DATA SHEET

V.01/2023 Ref. 00000000

Cortis MS

Ashless anti-wear mineral circulating oil

APPLICATIONS

- Cortis MS is a multi-purpose anti-wear circulating oil.
- Cortis MS is meeting the technical requirements of hydrodynamic MORGOIL and DANIELI bearings used in rolling mills

ADVANTAGES

- Excellent oxidation and thermal stability: extended drain intervals.
- Very good demulsibility behaviour at high and low temperature. Pass the UEC dynamic demulsibility endurance test.
- Very good anti-wear properties.
- Non-EP lubricant offering good rust and corrosion protection at high temperature.
- Ashless additivation with high hydrolytic stability

SPECIFICATIONS

- DANIELI® BGV and ESS bearings
- MORGOIL® Standart Lubricant - SN 180 Part 3
- MORGOIL® Advanced Lubricant - SN 180 Part 4

APPROVALS

TYPICAL CHARACTERISTICS

Properties	Units	Standards	Cortis MS					
			100	150	220	320	460	680
Viscosity at 40°C	mm^2/s	ISO 3104	100	150	220	320	460	680
Density at 15°C	kg/m^3	ISO 3675	88	893	898	903	907	916
Viscosity index	-	ISO 2909	98	96	95	95	95	88
Flash point OC	-	ISO 2592	275	285	300	300	300	320
Pour point	°C	ISO 3016	-18	-12	-12	-12	-12	-9
Demulsibility at 82°C		ASTM D 1401	3	3	4	6	12	15
Demulsibility at 25°C		ASTM D 2711						

For additional information, contact your local Totalenergies Lubricants representative or visit our web site: https://lubricants.totalenergies.com
This lubricant used as recommended and for the application for which it has been designed does not present any particular risk. A material safety data sheet conforming to the regulations in use in the E.C. can be obtained from your local commercial adviser or downloaded from https://sdstotalms.total.com

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- Free water		41	40	36	33	27	30
- Water in oïl		0.60	0.80	2.40	3.0	4.8	4
- Emulsion		0	0	0	0	0	1
FZG test (failure level)	DIN 51354/2	12	> 12	> 12	> 12	> 12	> 12

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