

# CORTIS MS



Lubrication



Ashless anti-wear mineral circulating oil.

## APPLICATIONS

**Multipurpose anti-wear lubricant**

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

## SPECIFICATIONS

**Manufacturers' specifications**

- DANIELI® BGV and ESS bearings.
- MORGOL® Lubricant and MORGOL® Advanced Lubricant.

## ADVANTAGES

- Excellent oxidation and thermal stability : extended drain intervals.
- Very good desmulsibility behaviour at high and low temperature. Pass the UEC dynamic desmulsibility 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 : preventing deposits and maintaining good filtrability properties.

TYPICAL CHARACTERISTICS	METHODS	UNITS	CORTIS MS					
			100	150	220	320	460	680
Kinematic Viscosity at 40 °C	ISO 3104	mm <sup>2</sup> /s	100	150	220	320	460	680
Density at 15 °C	ISO 3675	kg/m <sup>3</sup>	888	893	898	903	907	916
Viscosity Index	ISO 2909	-	98	96	95	95	95	88
Open cup flash point	ISO 2592	°C	275	285	300	300	300	320
Pour point	ISO 3016	°C	-18	-12	-12	-12	-12	-9
Desmulsibility at 82°C	ASTM D 1401	min pour 3 ml	3	3	4	6	12	15
Desemulsibility 52°C								
- free water		ml	41	40	36	33	27	30
- water in oil	ASTM D 2711	%	0.60	0.80	2.40	3.0	4.8	4
- emulsion		ml	0	0	0	0	0	1
FZG Test (failure level)	DIN 51354/2	-	12	>12	>12	>12	>12	>12

Above characteristics are mean values given as an information

## HANDLING - HEALTH - SAFETY

Please consult our MSDS on [www.quifds.com](http://www.quifds.com)

TOTAL LUBRIFIANTS  
Industrie & Spécialités  
06-10-2008 (supersedes 07-06-2001)  
CORTIS MS  
Page 1/1



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 down loaded from [www.quick-fds.com](http://www.quick-fds.com).