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Cortis ZS

Circulating oil for MORGOIL type bearing

APPLICATIONS

- Cortis ZS is a lubricant meeting the requirements of hydrodynamic MORGOIL bearings used for example in rolling mill cylinder bearing in the iron and steel industry.
- Polyvalent anti-wear circulating oil particularly suitable when lubricant can be contaminated by water.

ADVANTAGES

- Excellent oxidation and thermal stability: extended service life even under high temperature.
- Exceptional demulsibility behaviour at high and low temperature confirmed with dynamic demulsibility endurance test.
- Very good anti-wear properties.
- Non-EP lubricant offering good rust and corrosion protection at high temperature.

SPECIFICATIONS

- SMS Siemag MORGOIL SN 180 3 Standart lubricant
- SMS Siemag MORGOIL SN 180 4 Advanced Lubricant
- ISO 12925-1 CKD
- DIN 51517-3 CLP

TYPICAL CHARACTERISTICS

Properties	Units	Standards	Cortis ZS				
			100	150	220	320	460
Density at 15°C	kg/m³	ISO 3675	858	895	903	908	916
Viscosity at 40°C	mm²/s	ISO 3104	90	150	220	320	460
Viscosity at 100°C	mm²/s	ISO 3104	10.6	14.8	18.9	24.4	36.7
Viscosity index	-	ISO 2909	100	98	96	96	96
Flash point	°C	ISO 2592	275	275	285	315	320
Pour point	°C	ISO 3016	-18	-15	-15	-15	-15
Demulsibility at 82°C	Min	ASTM D 1401	3	510	15	15	20
Demulsibility at 52°C - Free water - Water in oil - emulsion	ml % ml	ASTM D 2711 (Method A)	43 0.6 0	43 0.6 0	40 0.7 0	33 0.9 1	32 1 1
FZG test (failure level)	-	DIN 51354/2	12	12	12	12	12

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