

CIRCOLOOP



Lubrication



BEHTAM
RAVANKAR

Ashless anti-wear mineral circulating oil.

APPLICATIONS

Multipurpose anti-wear lubricant

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

SPECIFICATIONS

Meets the requirements of

- DANIELI® BGV and ESS bearings
- MORGUIL® Standard Lubricant - SN 180 Part 3
- MORGUIL® Advanced Lubricant - SN 180 Part 4

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: preventing deposits and maintaining good filterability properties.

TYPICAL CHARACTERISTICS	METHODS	UNITS	CIRCOLOOP					
			100	150	220	320	460	680
Kinematic Viscosity at 40 °C	ASTM D 445	mm ² /s	100	150	220	320	460	680
Density at 15 °C	ASTM D 4052	kg/m ³	888	893	895	897	907	916
Viscosity Index	ASTM D 2270	-	90	90	90	90	90	90
Open cup flash point	ASTM D 92	°C	275	285	270	270	300	320
Pour point	ASTM D 97	°C	-18	-12	-12	-12	-12	-9
Demulsibility at 82°C	ASTM D 1401	min pour 3 ml	9	9	9	13	15	20
Demulsibility 52°C								
- free water	ASTM D 2711	ml	41	40	36	33	27	30
- water in oil		%	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

BEHTAM CO.
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