

PROBLEM SUMMARY

Sample Rating Trend

WEAR

6 BALL MILL FEED END TRUNNION

Component **Bearing**

SHELL OMALA S2 G 320 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

PROBLEMATIC TEST RESULTS							
Sample Status				SEVERE			
Lead	ppm	ASTM D5185(m)	>100	▲ 334			
Antimony	ppm	ASTM D5185(m)		4 24			

Customer Id: INCOCLARA Sample No.: WC0884208 Lab Number: 02625787 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Kevin Marson +1 (289)291-4644 x4644 Kevin.Marson@wearcheck.com

To change component or sample information: Gloria Gonzalez +1 (289)291-4643 x4643 gloria.gonzalez@wearcheck.com

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Resample			?	We recommend an early resample to monitor this condition.		
Information Required			?	NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.		

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



6 BALL MILL FEED END TRUNNION

Bearing

SHELL OMALA S2 G 320 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Lead ppm levels are severe. Antimony ppm levels are abnormal. Bearing wear is indicated.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

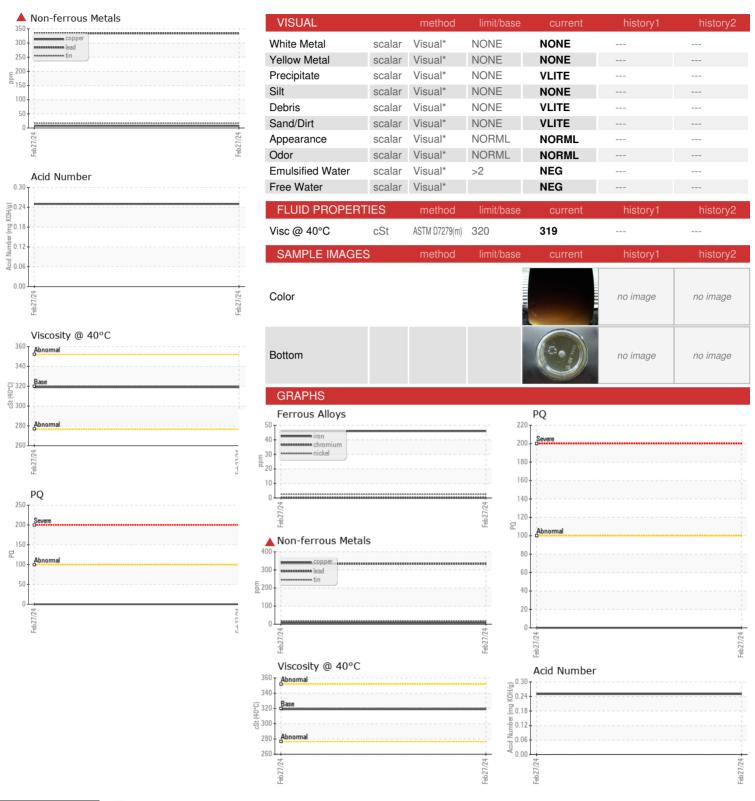
				Feb2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0884208		
Sample Date		Client Info		27 Feb 2024		
Machine Age	mths	Client Info		15		
Oil Age	mths	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				SEVERE		
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>2	NEG		
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		0		
Iron	ppm	ASTM D5185(m)	>500	46		
Chromium	ppm	ASTM D5185(m)	>10	0		
Nickel	ppm	ASTM D5185(m)	>10	3		
Titanium	ppm	ASTM D5185(m)		<1		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>15	6		
Lead	ppm	ASTM D5185(m)	>100	▲ 334		
Copper	ppm	ASTM D5185(m)	>120	8		
Tin	ppm	ASTM D5185(m)	>125	17		
Antimony	ppm	ASTM D5185(m)		<u>^</u> 24		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	5.5	<1		
Barium	ppm	ASTM D5185(m)	0.4	0		
Molybdenum	ppm	ASTM D5185(m)	0.5	0		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	23	7		
Calcium	ppm	ASTM D5185(m)	13	22		
Phosphorus	ppm	ASTM D5185(m)	450	209		
Zinc	ppm	ASTM D5185(m)	9.9	12		
Sulfur	ppm	ASTM D5185(m)	8181	6979		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	5	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	14		
Sodium	ppm	ASTM D5185(m)		7		
Potassium	ppm	ASTM D5185(m)	>20	3		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
A -!-! Niconale - or (ANI)		A OTA A DOZ 4+		0.05		

0.25

Acid Number (AN) mg KOH/g ASTM D974*



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited

Laboratory

Laboratory Sample No. Lab Number

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

: WC0884208 : 02625787

Unique Number : 5750906

Received : 01 Apr 2024 **Tested**

: 02 Apr 2024 Diagnosed

: 02 Apr 2024 - Kevin Marson

Test Package : IND 2 (Additional Tests: TAN Man) To discuss this sample report, contact Customer Service at 1-800-268-2131.

Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

Vale - Clarabelle Mill MTW (Mill,Tailings&Water) COPPER CLIFF, ON CA P0M 1N0

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