

OIL ANALYSIS REPORT

Sample Rating Trend

VISUAL METAL



6 MILL DISCHAGRE END TRUNNION Component

Bearing

SHELL OMALA S2 G 320 (--- GAL)

DIAGNOSIS

Recommendation

We advise that you check for visible metal particles in the oil. We recommend an early resample to monitor this condition. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample.

Light concentration of visible metal present. All other component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

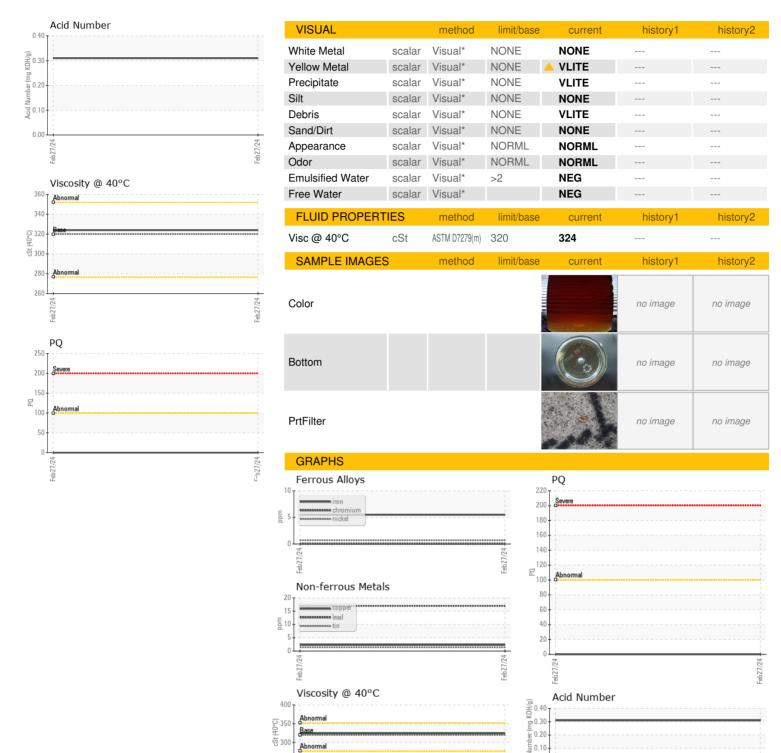
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

				Feb2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0884205		
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				MARGINAL		
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	6		
Chromium	ppm	ASTM D5185(m)	>10	0		
Nickel	ppm	ASTM D5185(m)	>10	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>15	<1		
Lead	ppm	ASTM D5185(m)	>100	17		
Copper	ppm	ASTM D5185(m)	>120	2		
Tin	ppm	ASTM D5185(m)	>125	1		
Antimony	ppm	ASTM D5185(m)		4		
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	1		
Calcium	ppm	ASTM D5185(m)	13	5		
Phosphorus	ppm	ASTM D5185(m)	450	196		
Zinc	ppm	ASTM D5185(m)	9.9	12		
Sulfur	ppm	ASTM D5185(m)	8181	7105		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	<1		
Sodium	ppm	ASTM D5185(m)		1		
Potassium	ppm	ASTM D5185(m)	>20	<1		
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*		0.31		



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Laboratory

Laboratory Sample No. Lab Number

: WC0884205 : 02625786

250

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 01 Apr 2024 **Tested** : 03 Apr 2024

Unique Number : 5750905 Diagnosed : 03 Apr 2024 - Kevin Marson Test Package: IND 2 (Additional Tests: BottomAnalysis, FILTERPATCH, TAN Man)

를 0.00

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

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