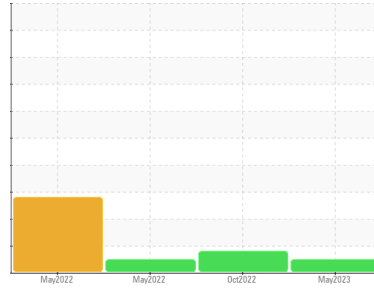




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**Crushing**

Machine Id

**VOITH FLUID COUPLING Conveyor,Belt,23-BC-1 (S/N 10566578)**

Component

**Fluid Drive**

Fluid

**SHELL TELLUS S2 MX 32 (--- GAL)**

## DIAGNOSIS

### Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please note that this is a corrected copy for data entry updates.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the fluid.

### Fluid Condition

Additive levels indicate the addition of a different brand, or type of fluid. The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0718809</b>	WC0664279	WC0532588
Sample Date	Client Info			<b>08 May 2023</b>	31 Oct 2022	05 May 2022
Machine Age	yrs	Client Info		<b>0</b>	0	0
Oil Age	yrs	Client Info		<b>0</b>	0	0
Oil Changed	Client Info			<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.1	<b>NEG</b>	NEG	NEG

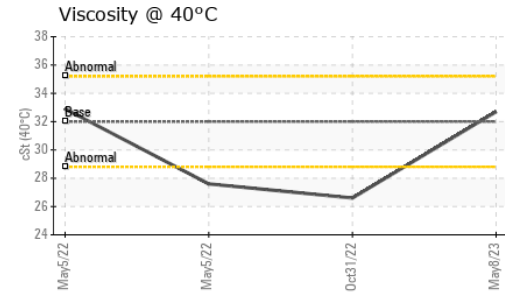
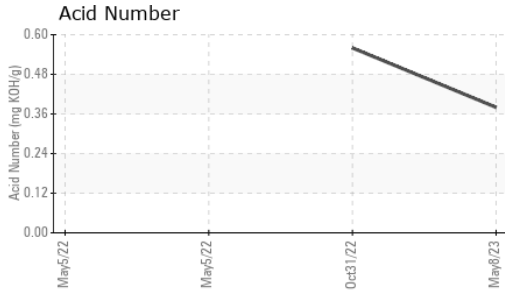
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		<b>---</b>	7	---
Iron	ppm	ASTM D5185(m)	>100	<b>&lt;1</b>	▲ 232	130
Chromium	ppm	ASTM D5185(m)	>10	<b>0</b>	2	1
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	12	3
Lead	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	2	3
Copper	ppm	ASTM D5185(m)	>75	<b>&lt;1</b>	34	12
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Antimony	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>0</b>	81	85
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Manganese	ppm	ASTM D5185(m)		<b>0</b>	1	<1
Magnesium	ppm	ASTM D5185(m)		<b>39</b>	3	6
Calcium	ppm	ASTM D5185(m)		<b>24</b>	91	87
Phosphorus	ppm	ASTM D5185(m)		<b>309</b>	239	223
Zinc	ppm	ASTM D5185(m)		<b>328</b>	28	20
Sulfur	ppm	ASTM D5185(m)		<b>671</b>	778	847
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	<b>0</b>	26	23
Sodium	ppm	ASTM D5185(m)		<b>0</b>	6	4
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1



# OIL ANALYSIS REPORT



FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	<b>17877</b>	144480	---
Particles >6µm	ASTM D7647	>2500	<b>4802</b>	91608	---
Particles >14µm	ASTM D7647	>320	<b>163</b>	2979	---
Particles >21µm	ASTM D7647	>80	<b>27</b>	329	---
Particles >38µm	ASTM D7647	>20	<b>1</b>	5	---
Particles >71µm	ASTM D7647	>4	<b>0</b>	0	---
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<b>21/19/15</b>	24/24/19	---

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	<b>0.38</b>	0.56	---

VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	<b>NONE</b>	VLITE	LIGHT
Yellow Metal	scalar	Visual*	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual*	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual*	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual*	<b>NONE</b>	VLITE	NONE
Sand/Dirt	scalar	Visual*	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual*	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual*	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual*	<b>NEG</b>	NEG	NEG
Free Water	scalar	Visual*	<b>NEG</b>	NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	<b>32.7</b>	26.6	27.6

SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color			
Bottom			
PrtFilter	no image	no image	no image



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0718809 **Received** : 26 May 2023  
**Lab Number** : **02559794** **Diagnosed** : 11 Dec 2023  
**Unique Number** : 5580834 **Diagnostician** : Kevin Marson  
**Test Package** : IND 2 ( Additional Tests: PQ, PrtCount )

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**  
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