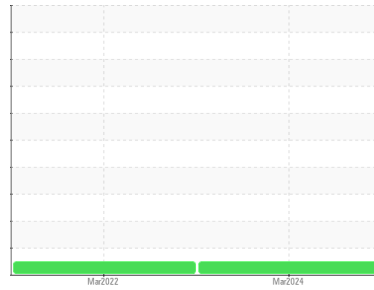




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**[4501238207]**  
 Machine Id  
**BITZER EVERGREEN BRICKS**  
 Component  
**Screw Compressor**  
 Fluid  
**CIMCO TYPE A (--- GAL)**

## DIAGNOSIS

**Recommendation**  
 Resample at the next service interval to monitor.

**Wear**  
 All component wear rates are normal.

**Contamination**  
 The water content is negligible. 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.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0902699</b>	WC0669260	---
Sample Date	Client Info		<b>22 Mar 2024</b>	17 Mar 2022	---
Machine Age	hrs	Client Info	<b>9067</b>	7625	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>NORMAL</b>	NORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>0</b>	0	---
Iron	ppm	ASTM D5185(m) >60	<b>27</b>	19	---
Chromium	ppm	ASTM D5185(m) >4	<b>0</b>	0	---
Nickel	ppm	ASTM D5185(m)	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m) >5	<b>0</b>	0	---
Lead	ppm	ASTM D5185(m) >10	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m) >30	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185(m) >15	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	<b>0</b>	<1	---
Barium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	<b>0</b>	0	---
Manganese	ppm	ASTM D5185(m)	<b>0</b>	0	---
Magnesium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---
Calcium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---
Phosphorus	ppm	ASTM D5185(m)	<b>&lt;1</b>	1	---
Zinc	ppm	ASTM D5185(m)	<b>5</b>	2	---
Sulfur	ppm	ASTM D5185(m)	<b>18</b>	18	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

## CONTAMINANTS

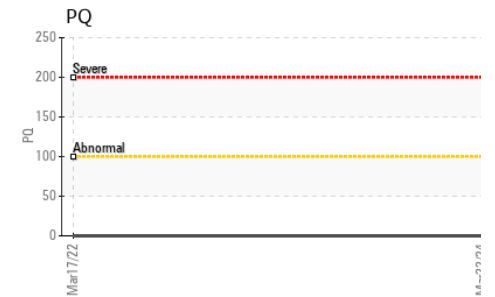
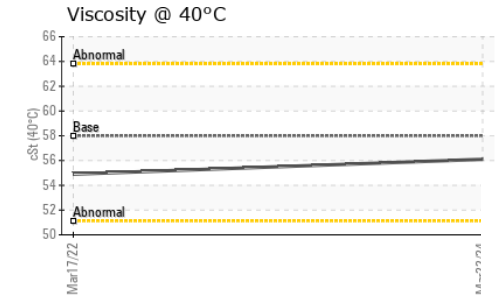
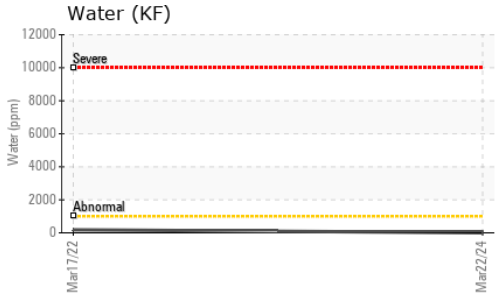
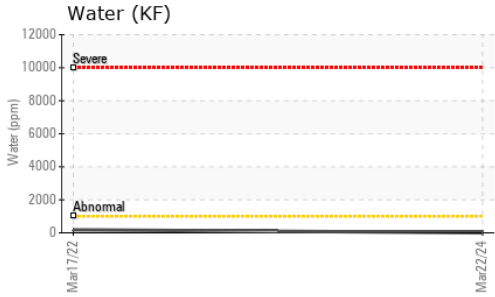
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>0</b>	2	---
Sodium	ppm	ASTM D5185(m)	<b>0</b>	0	---
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	0	---
Water	%	ASTM D6304* >0.1	<b>0.001</b>	0.018	---
ppm Water	ppm	ASTM D6304* >1000	<b>4</b>	185.6	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974* 0.05	<b>0.01</b>	0.01	---



# OIL ANALYSIS REPORT



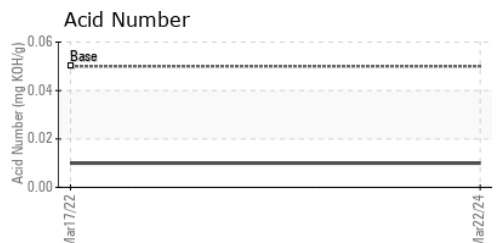
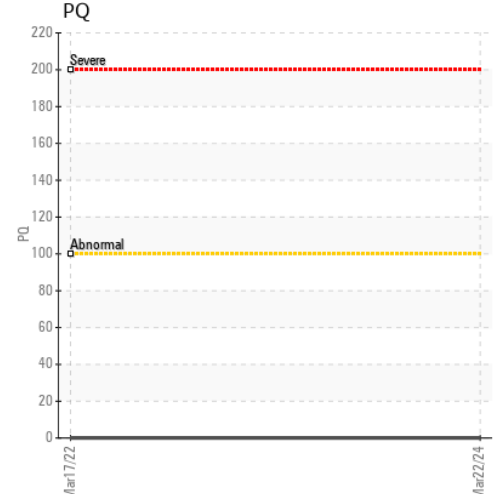
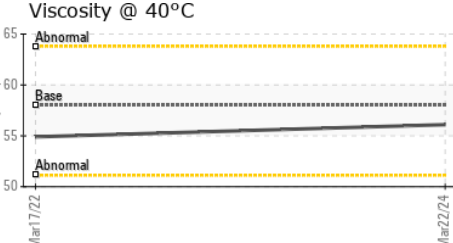
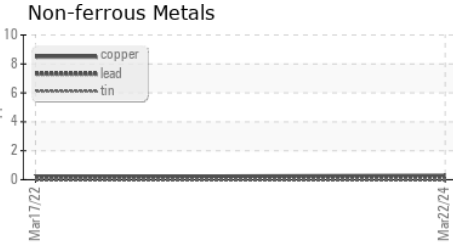
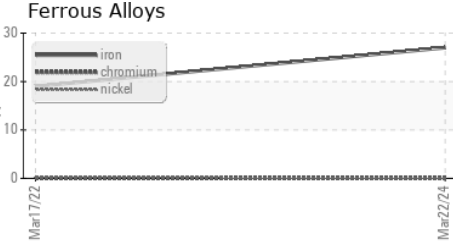
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	AMMON	---
Emulsified Water	scalar	Visual*	>0.1	NEG	.2%
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	58	56.1	54.9

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0902699 **Received** : 09 Apr 2024  
**Lab Number** : 02627700 **Tested** : 10 Apr 2024  
**Unique Number** : 5760832 **Diagnosed** : 10 Apr 2024 - Bill Quesnel  
**Test Package** : IND 2 ( Additional Tests: KF, 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.

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