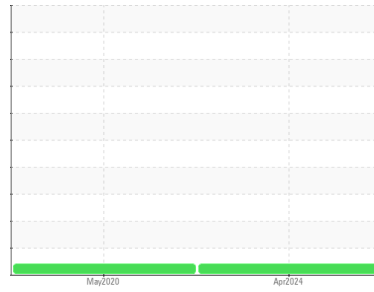




# OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id  
**BITZER 75L C2 (S/N 1096301220)**  
 Component  
**Compressor**  
 Fluid  
**BVA4214-320 (3 GAL)**

## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The oil viscosity is higher than normal. Confirm oil type. The AN level is acceptable for this fluid.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0933635</b>	WC0436494	---
Sample Date	Client Info		<b>16 Apr 2024</b>	15 May 2020	---
Machine Age	hrs	Client Info	<b>0</b>	0	---
Oil Age	hrs	Client Info	<b>0</b>	0	---
Oil Changed	Client Info		<b>N/A</b>	N/A	---
Sample Status			<b>ATTENTION</b>	ATTENTION	---

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>26</b>	<1	---
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	---
Nickel	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >25	<b>2</b>	0	---
Lead	ppm	ASTM D5185m >25	<b>0</b>	1	---
Copper	ppm	ASTM D5185m >50	<b>2</b>	2	---
Tin	ppm	ASTM D5185m >15	<b>2</b>	<1	---
Antimony	ppm	ASTM D5185m	<b>---</b>	2	---
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	1	---
Barium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	1	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Calcium	ppm	ASTM D5185m	<b>&lt;1</b>	<1	---
Phosphorus	ppm	ASTM D5185m	<b>3</b>	2	---
Zinc	ppm	ASTM D5185m	<b>2</b>	0	---
Sulfur	ppm	ASTM D5185m	<b>0</b>	32	---

## CONTAMINANTS

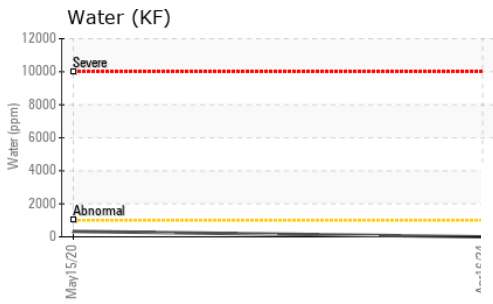
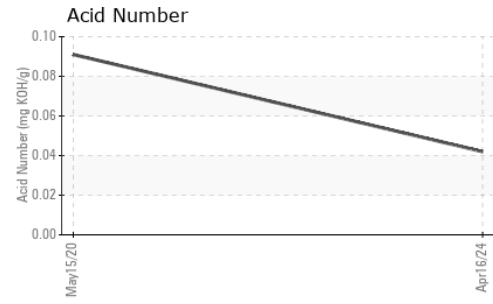
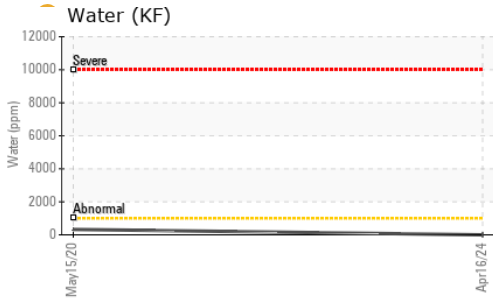
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>11</b>	2	---
Sodium	ppm	ASTM D5185m	<b>1</b>	<1	---
Potassium	ppm	ASTM D5185m >20	<b>1</b>	<1	---
Water	%	ASTM D6304 >0.1	<b>0.00</b>	0.032	---
ppm Water	ppm	ASTM D6304 >1000	<b>0</b>	329.5	---

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.042</b>	0.091	---



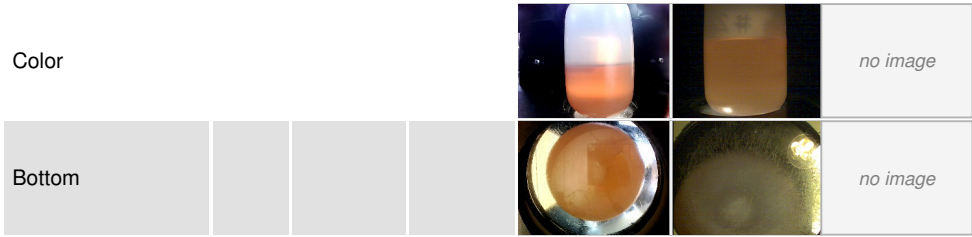
# OIL ANALYSIS REPORT



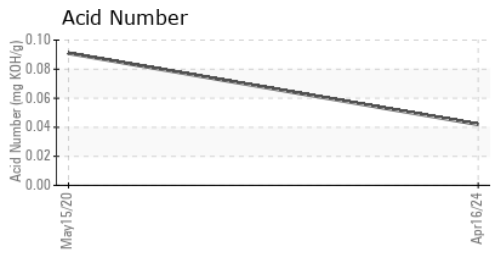
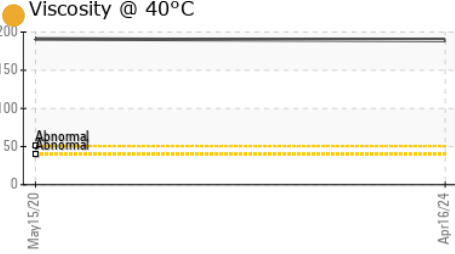
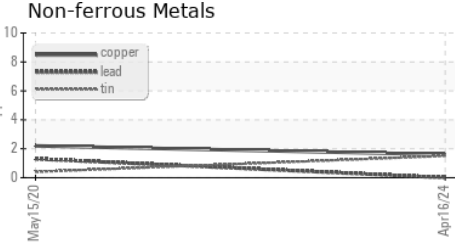
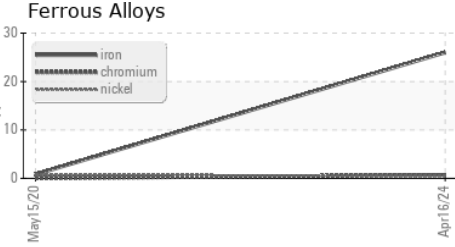
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<span style="color: orange;">●</span> 189	<span style="color: orange;">●</span> 191	---

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0933635      **Received** : 22 Apr 2024  
**Lab Number** : 06156081      **Tested** : 23 Apr 2024  
**Unique Number** : 10991504      **Diagnosed** : 24 Apr 2024 - Jonathan Hester  
**Test Package** : IND 2 ( Additional Tests: KF )

**COMMERCIAL AIR SYSTEMS**  
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 BRANCHBURG, NJ  
 US 08876  
 Contact: LARRY DELGUERCIO  
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 F: (908)921-9091

To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)