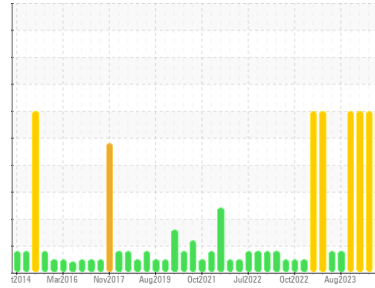




# PROBLEM SUMMARY

Sample Rating Trend



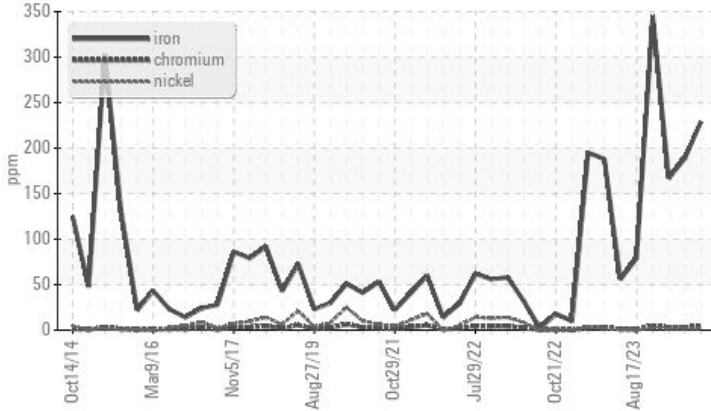
WEAR



Area  
**BLEACH O2**  
 Machine Id  
**BX025 PRE02 PRESS NE (S/N 0661-03-02-040-040-090)**  
 Component  
**Bearing**  
 Fluid  
**{not provided} (4 GAL)**

## COMPONENT CONDITION SUMMARY

### Ferrous Alloys



## RECOMMENDATION

We advise that you inspect for the source(s) of wear.  
 We recommend an early resample to monitor this condition.

## PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	SEVERE	SEVERE
Iron	ppm	ASTM D5185m	>20	<b>229</b>	189	167

Customer Id: INTRIERP  
 Sample No.: WC0851739  
 Lab Number: 06076389  
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
 Don Baldrige +1  
[don.b505@comcast.net](mailto:don.b505@comcast.net)

To change component or sample information:  
 Customer Service +1 1-800-237-1369  
[customerservice@wearcheck.com](mailto:customerservice@wearcheck.com)

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Resample	---	---	?	We recommend an early resample to monitor this condition.

## HISTORICAL DIAGNOSIS

### 18 Dec 2023 Diag: Angela Borella

#### WEAR



We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid.

[view report](#)



### 15 Nov 2023 Diag: Don Baldrige

#### WEAR



We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level has decreased, but is still abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid.

[view report](#)



### 09 Oct 2023 Diag: Doug Bogart

#### WEAR



We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid.

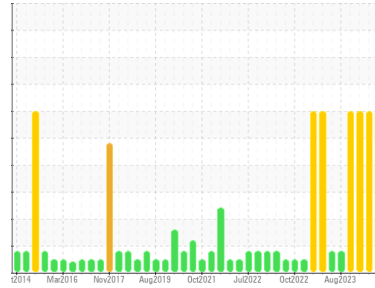
[view report](#)





# OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area  
**BLEACH O2**  
 Machine Id  
**BX025 PRE02 PRESS NE (S/N 0661-03-02-040-040-090)**  
 Component  
**Bearing**  
 Fluid  
**{not provided} (4 GAL)**

## DIAGNOSIS

### Recommendation

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

### Wear

The iron level is abnormal. 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.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0851739</b>	WC0851746	WC0851757
Sample Date	Client Info		<b>25 Jan 2024</b>	18 Dec 2023	15 Nov 2023
Machine Age	mls	Client Info	<b>0</b>	0	0
Oil Age	mls	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	N/A	N/A
Sample Status			<b>SEVERE</b>	SEVERE	SEVERE

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >20	<b>229</b>	189	167
Chromium	ppm	ASTM D5185m >20	<b>4</b>	3	3
Nickel	ppm	ASTM D5185m >20	<b>1</b>	1	1
Titanium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	1
Lead	ppm	ASTM D5185m >20	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >20	<b>4</b>	2	2
Tin	ppm	ASTM D5185m >20	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Cadmium	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	<b>0</b>	0	0
Barium	ppm	ASTM D5185m	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	<b>&lt;1</b>	0	<1
Manganese	ppm	ASTM D5185m	<b>2</b>	2	1
Magnesium	ppm	ASTM D5185m	<b>0</b>	2	0
Calcium	ppm	ASTM D5185m	<b>0</b>	2	0
Phosphorus	ppm	ASTM D5185m	<b>438</b>	518	388
Zinc	ppm	ASTM D5185m	<b>0</b>	<1	0
Sulfur	ppm	ASTM D5185m	<b>12976</b>	15941	15904

## CONTAMINANTS

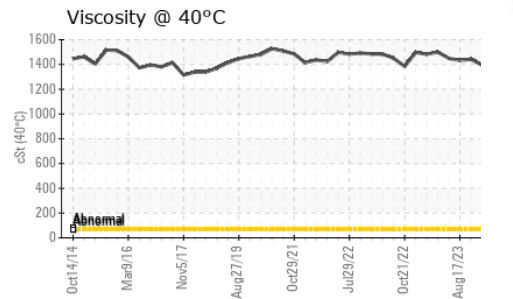
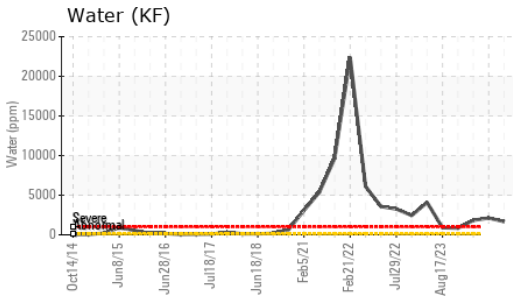
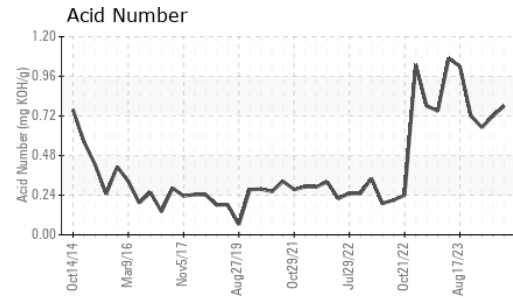
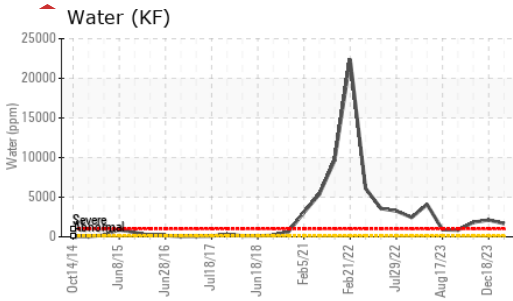
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >15	<b>6</b>	9	6
Sodium	ppm	ASTM D5185m	<b>9</b>	6	7
Potassium	ppm	ASTM D5185m >20	<b>2</b>	2	1
Water	%	ASTM D6304 >2	<b>0.167</b>	0.212	0.183
ppm Water	ppm	ASTM D6304	<b>1670</b>	2120	1830

## FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.78</b>	0.72	0.65



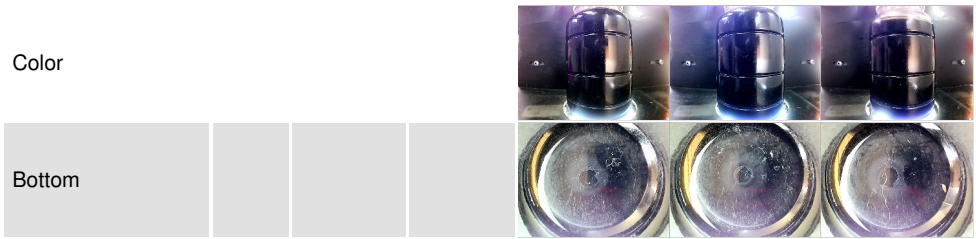
# OIL ANALYSIS REPORT



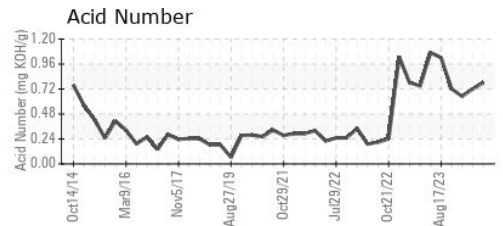
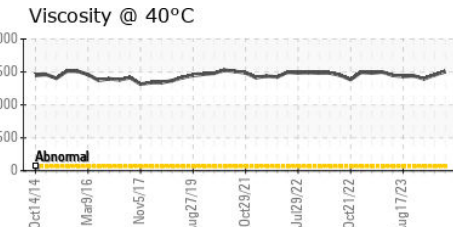
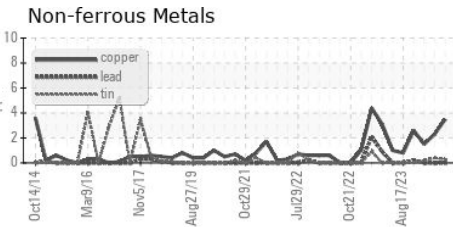
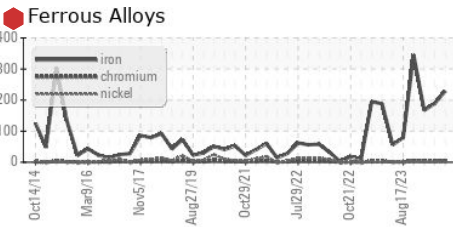
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>2	0.2%	0.2%
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	1503	1457	1395

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



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
 Sample No. : WC0851739      Recieved : 31 Jan 2024  
 Lab Number : 06076389      Diagnosed : 02 Feb 2024  
 Unique Number : 10858480      Diagnostician : Don Baldrige

**INTERNATIONAL PAPER**  
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 zachary.lizana@ipaper.com  
 T: (910)362-4775  
 F:

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)