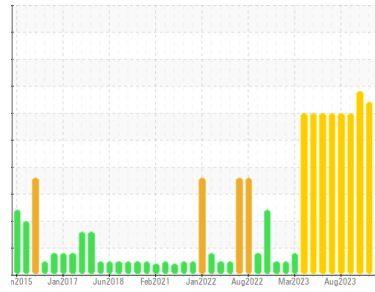




OIL ANALYSIS REPORT

Sample Rating Trend



Area
BLEACH O2
 Machine Id
BX060 POST 02 PRESS NW (S/N 0661-03-02-040-040)
 Component
Bearing
 Fluid
Bearing Oil (4 GAL)

DIAGNOSIS

- Recommendation**
No corrective action is recommended at this time. We recommend an early resample to monitor this condition.
- Wear**
The iron level has decreased, but is still abnormal.
- 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.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0920563	WC0851742	WC0851750
Sample Date	Client Info	22 Apr 2024	25 Jan 2024	18 Dec 2023
Machine Age	hrs	0	0	0
Oil Age	hrs	0	0	0
Oil Changed	Client Info	N/A	N/A	N/A
Sample Status		ABNORMAL	SEVERE	SEVERE

WEAR METALS

method	limit/base	current	history1	history2
Iron ppm	ASTM D5185m >20	▲ 141	▲ 329	▲ 179
Chromium ppm	ASTM D5185m >20	2	5	3
Nickel ppm	ASTM D5185m >20	3	3	2
Titanium ppm	ASTM D5185m	<1	<1	0
Silver ppm	ASTM D5185m	0	0	<1
Aluminum ppm	ASTM D5185m >20	2	<1	<1
Lead ppm	ASTM D5185m >20	<1	0	0
Copper ppm	ASTM D5185m >20	<1	<1	0
Tin ppm	ASTM D5185m >20	<1	<1	<1
Vanadium ppm	ASTM D5185m	<1	<1	0
Cadmium ppm	ASTM D5185m	<1	<1	<1

ADDITIVES

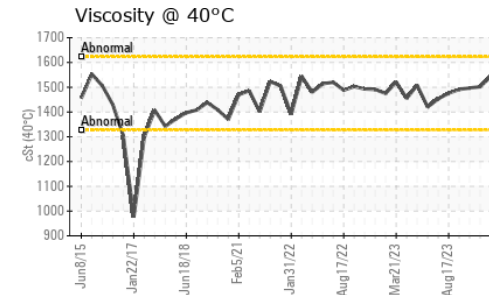
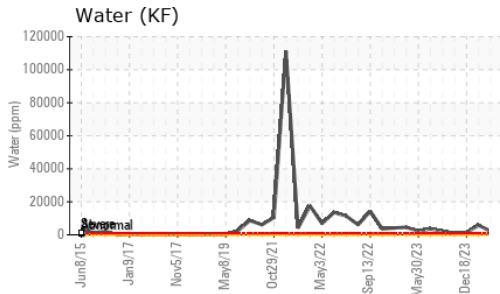
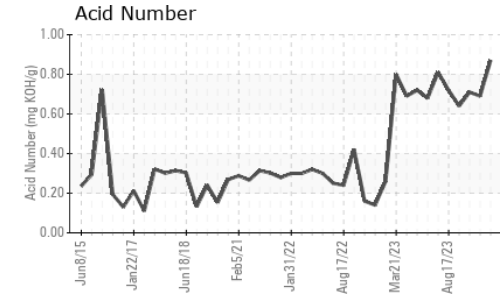
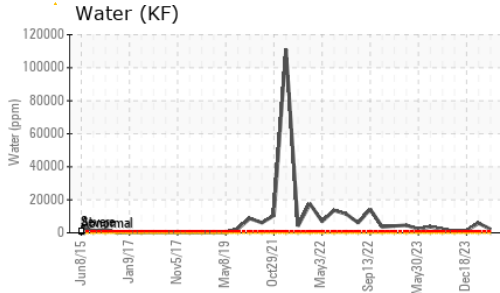
method	limit/base	current	history1	history2
Boron ppm	ASTM D5185m	0	0	0
Barium ppm	ASTM D5185m	1	0	0
Molybdenum ppm	ASTM D5185m	<1	<1	0
Manganese ppm	ASTM D5185m	1	4	2
Magnesium ppm	ASTM D5185m	1	0	2
Calcium ppm	ASTM D5185m	9	1	3
Phosphorus ppm	ASTM D5185m	553	411	501
Zinc ppm	ASTM D5185m	9	0	3
Sulfur ppm	ASTM D5185m	16150	12771	15866

CONTAMINANTS

method	limit/base	current	history1	history2
Silicon ppm	ASTM D5185m >15	11	10	9
Sodium ppm	ASTM D5185m	5	13	10
Potassium ppm	ASTM D5185m >20	<1	2	2
Water %	ASTM D6304 >2	0.214	0.580	0.138
ppm Water	ASTM D6304	2140	5800	1380

FLUID DEGRADATION

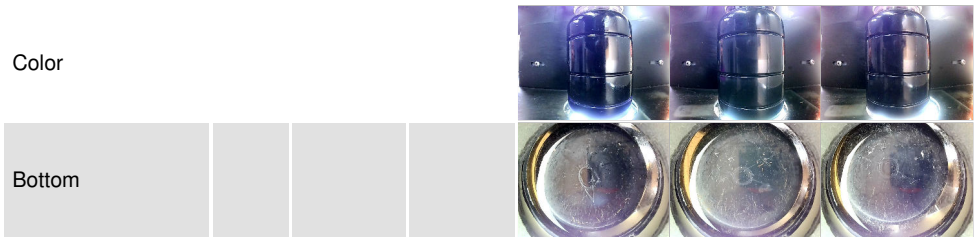
method	limit/base	current	history1	history2
Acid Number (AN) mg KOH/g	ASTM D8045	0.87	0.69	0.71



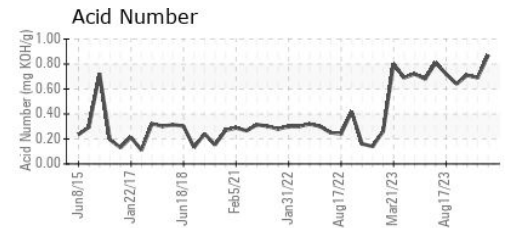
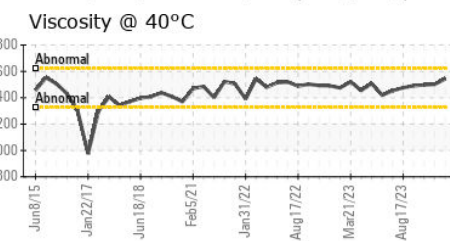
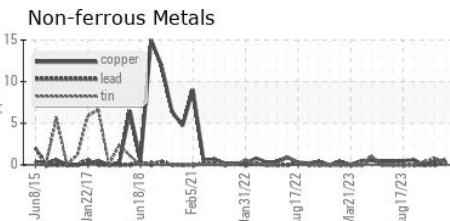
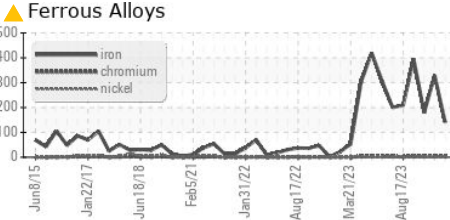
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	▲ MODER
Debris	scalar	*Visual	NONE	▲ MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	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	1543.	1502	1497

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. : WC0920563
Lab Number : 06159271
Unique Number : 10994694
Test Package : IND 2 (Additional Tests: KF)

Received : 24 Apr 2024
Tested : 30 Apr 2024
Diagnosed : 30 Apr 2024 - Doug Bogart

INTERNATIONAL PAPER
 865 JOHN L REGEL RD
 RIEGELWOOD, NC
 US 28456
 Contact: Zach Lizana
 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)