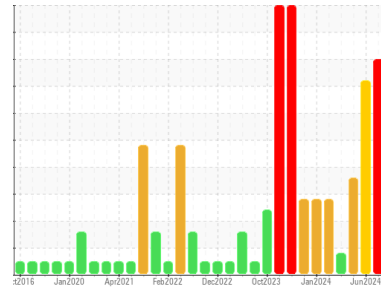


PROBLEM SUMMARY

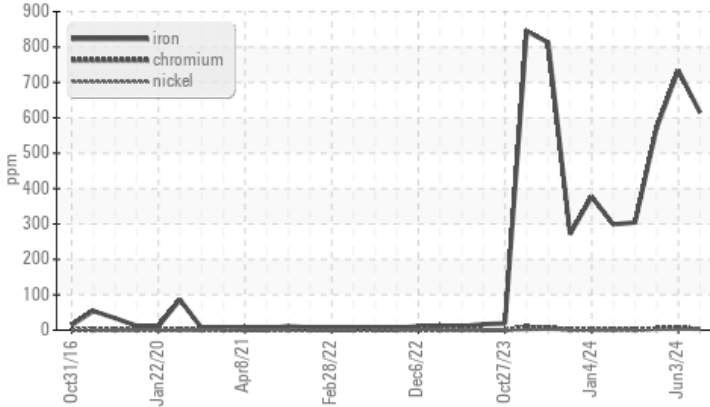
Sample Rating Trend



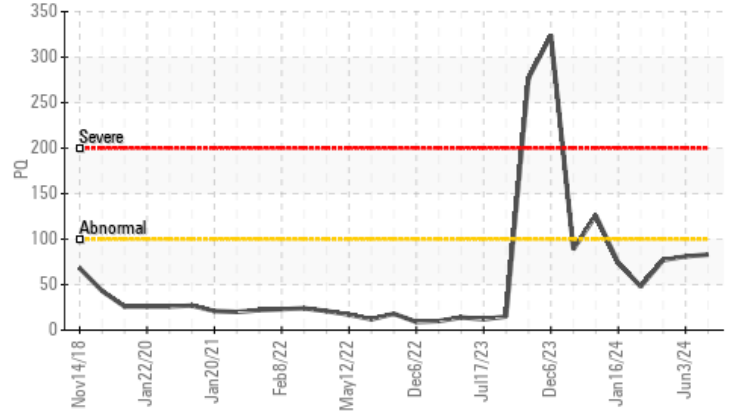
Area
MELT SHOP - BAGHOUSE FANS
 Machine Id
M/S BAGHOUSE FAN 151B M/S (S/N 15-6400-2000-1010)
 Component
Inboard Journal Bearing
 Fluid
AW HYDRAULIC OIL ISO 100 (3 LTR)

COMPONENT CONDITION SUMMARY

▲ Ferrous Alloys



▲ PQ



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		ASTM D8184	SEVERE	SEVERE	ABNORMAL
PQ			▲ 83	81	▲ 77
Iron	ppm	ASTM D5185m >60	▲ 615	▲ 734	▲ 572

Customer Id: OUTCALAL
 Sample No.: RP0044091
 Lab Number: 06212514
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Angela Borella +1 800-237-1369
angela.borella@wearcheckusa.com

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

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source	MISSED	Jun 19 2024	?	We advise that you inspect for the source(s) of wear.
Resample	MISSED	Jun 19 2024	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

WEAR



03 Jun 2024 Diag: Doug Bogart

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Moderate concentration of visible metal present. Gear wear is indicated. The water content is negligible. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid.

[view report](#)



WEAR



23 May 2024 Diag: Angela Borella

We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. Resample at the next service interval to monitor. Bearing wear is indicated. There is a moderate amount of visible silt present in the sample. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

[view report](#)



WEAR



08 Apr 2024 Diag: Angela Borella

No corrective action is recommended at this time. We recommend an early resample to monitor this condition. The iron level is abnormal. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

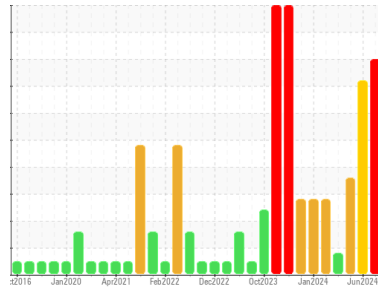
[view report](#)





OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area

MELT SHOP - BAGHOUSE FANS

Machine Id

M/S BAGHOUSE FAN 151B M/S (S/N 15-6400-2000-1010)

Component

Inboard Journal Bearing

Fluid

AW HYDRAULIC OIL ISO 100 (3 LTR)

DIAGNOSIS

▲ Recommendation

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

▲ Wear

Gear wear is indicated.

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.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		RP0044091	RP0044250	RP0044013
Sample Date	Client Info		10 Jun 2024	03 Jun 2024	23 May 2024
Machine Age	hrs	Client Info	0	0	0
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			SEVERE	SEVERE	ABNORMAL

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		▲ 83	81	▲ 77
Iron	ppm	ASTM D5185m >60	▲ 615	▲ 734	▲ 572
Chromium	ppm	ASTM D5185m >20	4	5	4
Nickel	ppm	ASTM D5185m >20	2	2	2
Titanium	ppm	ASTM D5185m	0	0	<1
Silver	ppm	ASTM D5185m	0	0	1
Aluminum	ppm	ASTM D5185m >4	2	3	3
Lead	ppm	ASTM D5185m >250	0	0	<1
Copper	ppm	ASTM D5185m >125	5	6	6
Tin	ppm	ASTM D5185m >80	<1	<1	<1
Vanadium	ppm	ASTM D5185m	0	0	<1
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 5	5	7	0
Barium	ppm	ASTM D5185m 5	0	0	2
Molybdenum	ppm	ASTM D5185m 5	150	264	292
Manganese	ppm	ASTM D5185m	7	10	7
Magnesium	ppm	ASTM D5185m 25	3	<1	2
Calcium	ppm	ASTM D5185m 200	3	4	5
Phosphorus	ppm	ASTM D5185m 300	494	439	486
Zinc	ppm	ASTM D5185m 370	3	0	14

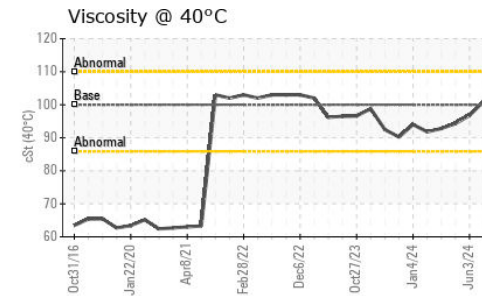
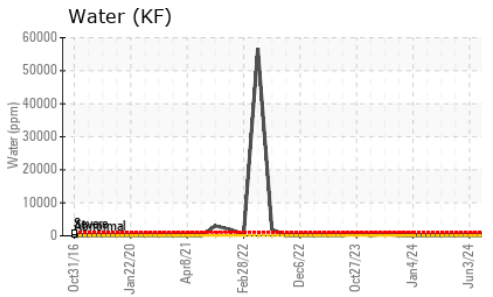
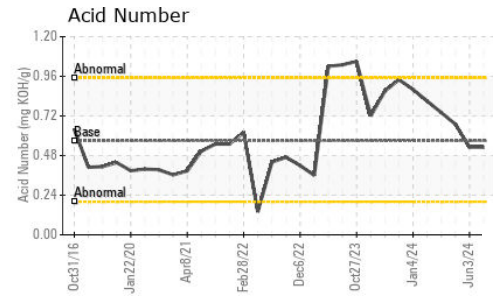
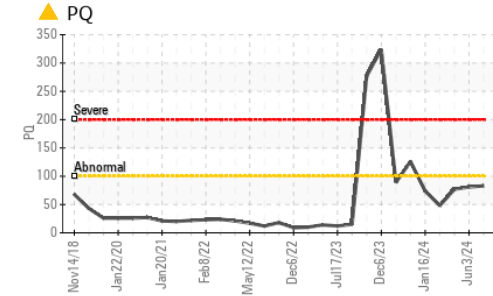
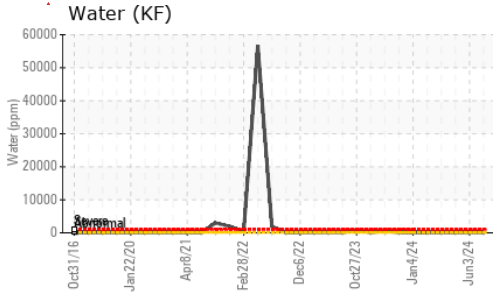
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >50	5	6	7
Sodium	ppm	ASTM D5185m	2	2	<1
Potassium	ppm	ASTM D5185m >20	3	1	2
Water	%	ASTM D6304 >2	0.004	0.006	0.003
ppm Water	ppm	ASTM D6304	47	64	28

FLUID DEGRADATION

	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045 0.57	0.53	0.53	0.67

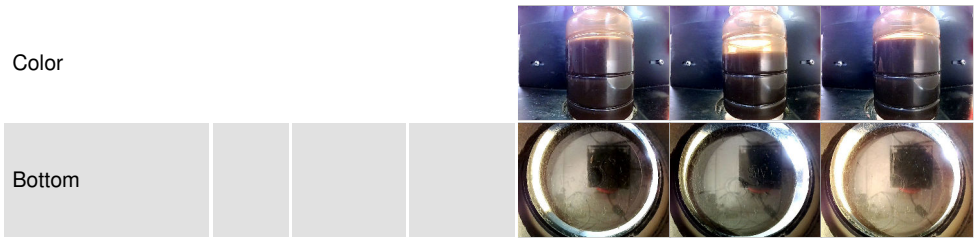
OIL ANALYSIS REPORT



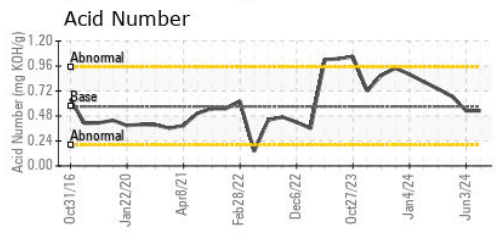
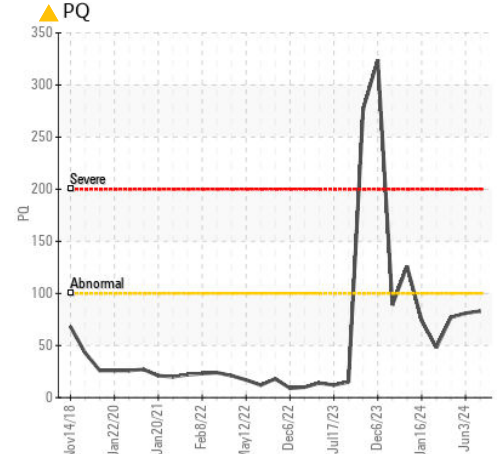
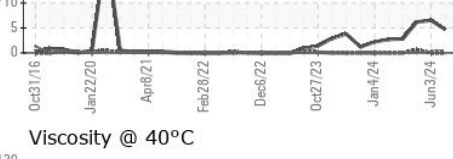
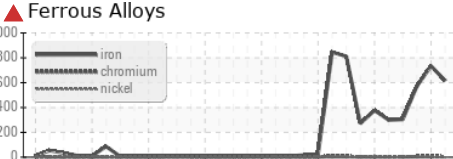
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	▲ MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	▲ MODER
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100	101	96.76

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : RP0044091 **Received** : 17 Jun 2024
Lab Number : **06212514** **Tested** : 19 Jun 2024
Unique Number : 11085378 **Diagnosed** : 19 Jun 2024 - Angela Borella
Test Package : IND 2 (Additional Tests: PQ)

OUTOKUMPU STAINLESS USA
 HWY 43 N
 CALVERT, AL
 US 36513
 Contact: MARIO JOHNSON
 Mario.johnson@outokumpu.com
 T: (251)321-4105
 F: x:

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)