



PERFORMANCE  
UNDER  
PRESSURE

OIL ANALYSIS REPORT

WEAR	<b>ABNORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

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)**

**RECOMMENDATION**

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

**WEAR**

The iron level has decreased, but is still abnormal. All other component wear rates are normal.

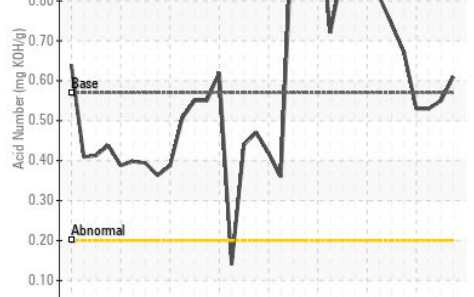
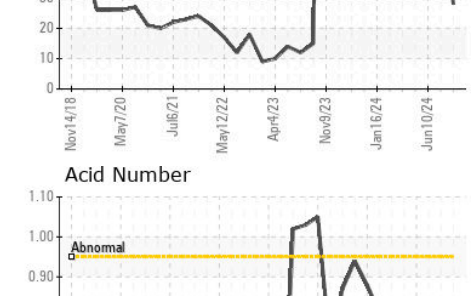
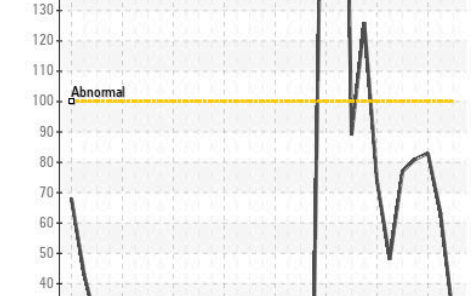
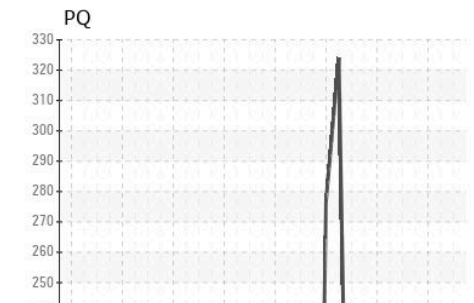
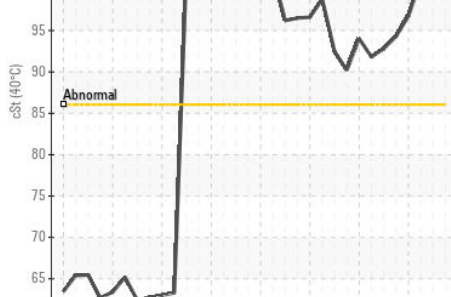
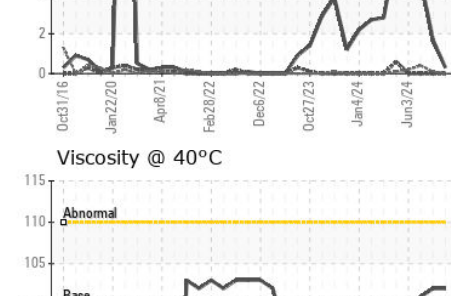
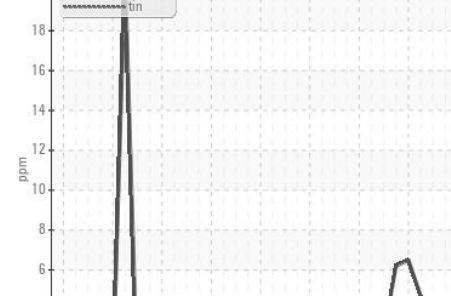
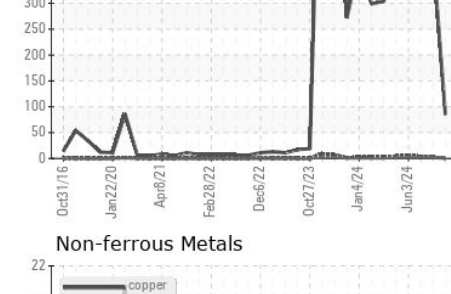
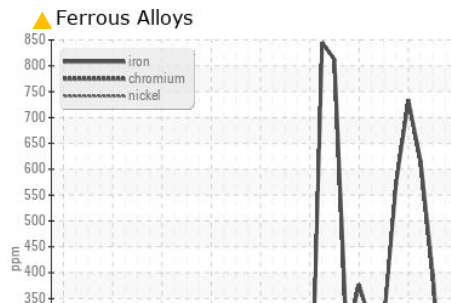
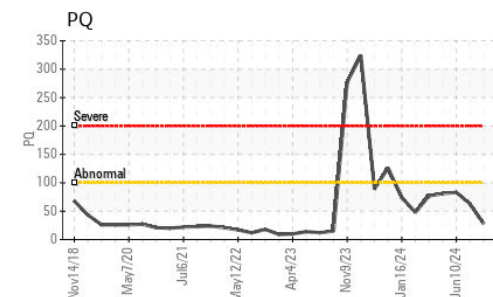
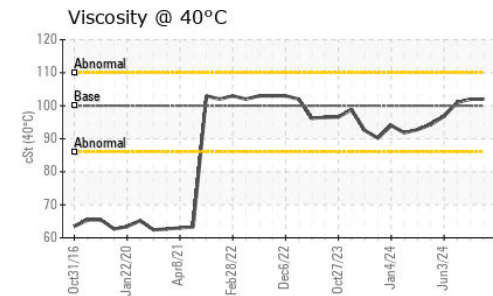
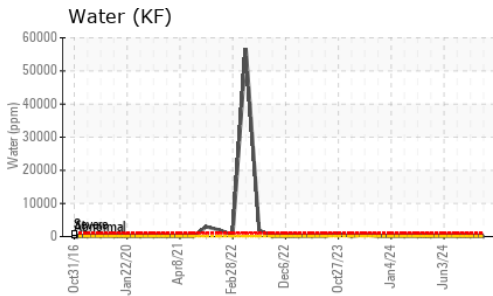
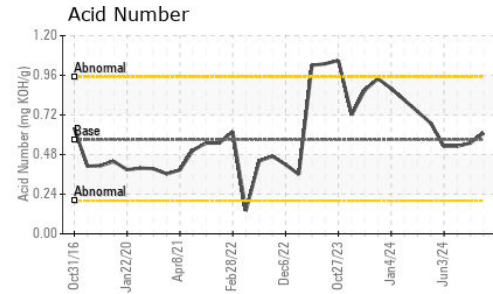
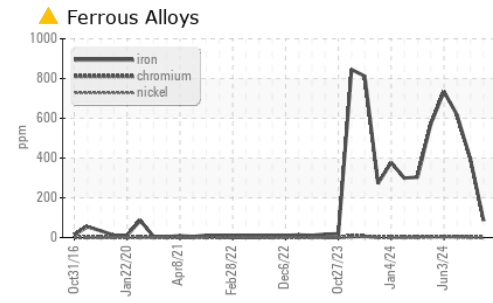
**CONTAMINATION**

There is no indication of any contamination in the oil.

**FLUID CONDITION**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>RP0044101</b>	RP0044194	RP0044091
Sample Date		Client Info		<b>24 Jun 2024</b>	14 Jun 2024	10 Jun 2024
Machine Age	hrs	Client Info		<b>0</b>	0	0
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>N/A</b>	N/A	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>ABNORMAL</b>	SEVERE	SEVERE
PQ		ASTM D8184		<b>28</b>	63	▲ 83
Iron	ppm	ASTM D5185m	>60	▲ <b>85</b>	▲ 395	▲ 615
Chromium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	4
Nickel	ppm	ASTM D5185m	>20	<b>&lt;1</b>	2	2
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>4	<b>&lt;1</b>	<1	2
Lead	ppm	ASTM D5185m	>250	<b>0</b>	0	0
Copper	ppm	ASTM D5185m	>125	<b>&lt;1</b>	2	5
Tin	ppm	ASTM D5185m	>80	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	<b>&lt;1</b>	3	5
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	3	3
Water	%	ASTM D6304	>2	<b>0.003</b>	0.003	0.004
ppm Water	ppm	ASTM D6304		<b>30</b>	38	47
Silt	scalar	*Visual	NONE	<b>NONE</b>	▲ MODER	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>2	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185m		<b>1</b>	2	2
Boron	ppm	ASTM D5185m	5	<b>0</b>	1	5
Barium	ppm	ASTM D5185m	5	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	5	<b>13</b>	34	150
Manganese	ppm	ASTM D5185m		<b>1</b>	4	7
Magnesium	ppm	ASTM D5185m	25	<b>&lt;1</b>	2	3
Calcium	ppm	ASTM D5185m	200	<b>0</b>	0	3
Phosphorus	ppm	ASTM D5185m	300	<b>494</b>	504	494
Zinc	ppm	ASTM D5185m	370	<b>0</b>	0	3
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	<b>0.61</b>	0.55	0.53
Visc @ 40°C	cSt	ASTM D445	100	<b>102</b>	102	101



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0044101 **Received** : 25 Jun 2024  
**Lab Number** : 06219778 **Tested** : 26 Jun 2024  
**Unique Number** : 11097975 **Diagnosed** : 26 Jun 2024 - Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: PQ )

**OUTOKUMPU STAINLESS USA**  
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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)