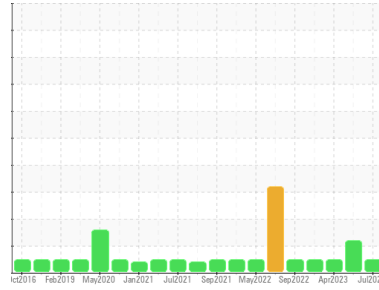




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



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

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### 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. The condition of the oil is suitable for further service.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>RP0035026</b>	RP0035059	RP0029656
Sample Date	Client Info	<b>17 Jul 2023</b>	05 Jun 2023	04 Apr 2023
Machine Age	hrs	Client Info	0	0
Oil Age	hrs	Client Info	0	0
Oil Changed	Client Info	<b>N/A</b>	N/A	N/A
Sample Status		<b>NORMAL</b>	ATTENTION	NORMAL

## WEAR METALS

method	limit/base	current	history1	history2	
PQ	ASTM D8184	<b>21</b>	27	16	
Iron	ppm	ASTM D5185m >60	<b>41</b>	40	16
Chromium	ppm	ASTM D5185m >20	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m >20	<b>0</b>	0	0
Titanium	ppm	ASTM D5185m	<b>0</b>	0	0
Silver	ppm	ASTM D5185m	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m >4	<b>&lt;1</b>	<1	<1
Lead	ppm	ASTM D5185m >250	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >125	<b>2</b>	<1	0
Tin	ppm	ASTM D5185m >80	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	<1
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

## ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m 5	<b>0</b>	6	0
Barium	ppm	ASTM D5185m 5	<b>0</b>	3	0
Molybdenum	ppm	ASTM D5185m 5	<b>271</b>	▲ 269	0
Manganese	ppm	ASTM D5185m	<b>2</b>	2	1
Magnesium	ppm	ASTM D5185m 25	<b>4</b>	7	5
Calcium	ppm	ASTM D5185m 200	<b>16</b>	▲ 19	7
Phosphorus	ppm	ASTM D5185m 300	<b>597</b>	628	425
Zinc	ppm	ASTM D5185m 370	<b>43</b>	▲ 57	1

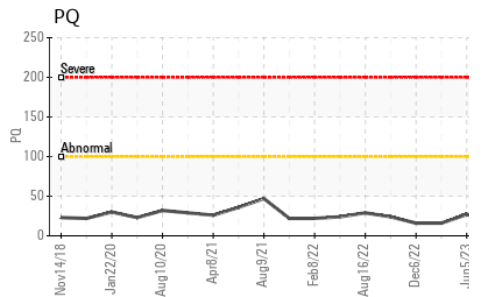
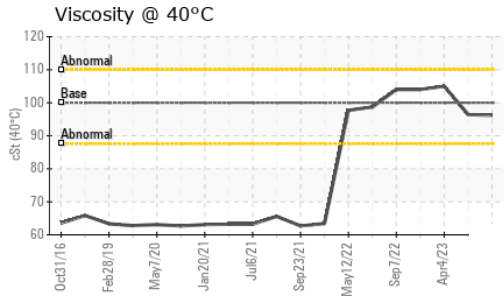
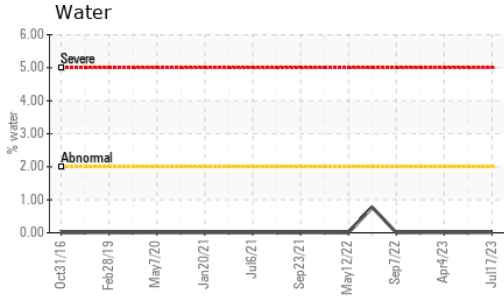
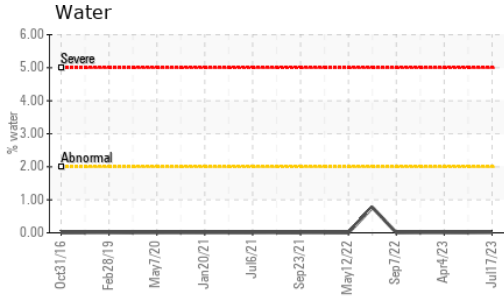
## CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m >50	<b>2</b>	4	<1
Sodium	ppm	ASTM D5185m	<b>0</b>	<1	0
Potassium	ppm	ASTM D5185m >20	<b>1</b>	<1	2
Water	%	ASTM D6304 >2	<b>0.009</b>	0.005	0.007
ppm Water	ppm	ASTM D6304	<b>95.0</b>	52.7	70.5

## FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045 0.57	<b>0.92</b>	0.90	0.25

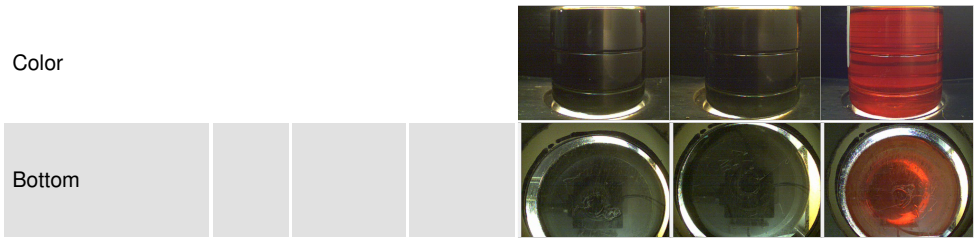
# OIL ANALYSIS REPORT



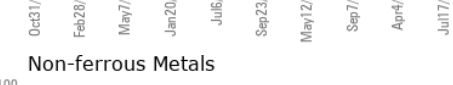
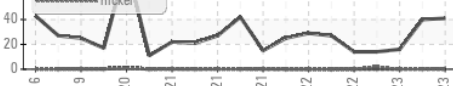
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100	96.2	96.4

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : RP0035026 **Received** : 19 Jul 2023  
**Lab Number** : 05902342 **Diagnosed** : 21 Jul 2023  
**Unique Number** : 10563698 **Diagnostician** : Don Baldrige  
**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:

Certificate L2367  
 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)