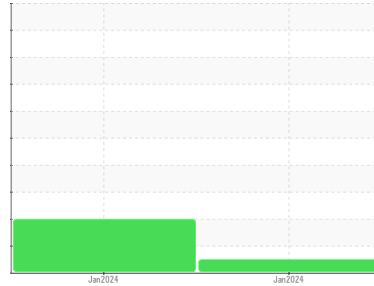




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Machine Id  
**GLAMA 1 (S/N 1791-1)**

Component  
**Hydraulic System**

Fluid  
**{not provided} (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

The amount and size of particulates present in the system are acceptable. 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>WC0671953</b>	WC0826333	---
Sample Date	Client Info	<b>08 Jan 2024</b>	03 Jan 2024	---
Machine Age	hrs Client Info	<b>0</b>	0	---
Oil Age	hrs Client Info	<b>0</b>	0	---
Oil Changed	Client Info	<b>N/A</b>	N/A	---
Sample Status		<b>NORMAL</b>	ABNORMAL	---

## CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >0.05	<b>NEG</b>	NEG	---

## WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >20	<b>2</b>	<1	---
Chromium	ppm ASTM D5185m >20	<b>0</b>	<1	---
Nickel	ppm ASTM D5185m >20	<b>0</b>	<1	---
Titanium	ppm ASTM D5185m	<b>0</b>	<1	---
Silver	ppm ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm ASTM D5185m >20	<b>0</b>	2	---
Lead	ppm ASTM D5185m >20	<b>1</b>	<1	---
Copper	ppm ASTM D5185m >20	<b>2</b>	2	---
Tin	ppm ASTM D5185m >20	<b>0</b>	<1	---
Vanadium	ppm ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm ASTM D5185m	<b>0</b>	<1	---

## ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m	<b>0</b>	0	---
Barium	ppm ASTM D5185m	<b>0</b>	10	---
Molybdenum	ppm ASTM D5185m	<b>0</b>	<1	---
Manganese	ppm ASTM D5185m	<b>&lt;1</b>	0	---
Magnesium	ppm ASTM D5185m	<b>0</b>	0	---
Calcium	ppm ASTM D5185m	<b>14</b>	2	---
Phosphorus	ppm ASTM D5185m	<b>132</b>	506	---
Zinc	ppm ASTM D5185m	<b>15</b>	2	---
Sulfur	ppm ASTM D5185m	<b>2178</b>	3777	---

## CONTAMINANTS

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >15	<b>2</b>	4	---
Sodium	ppm ASTM D5185m	<b>2</b>	0	---
Potassium	ppm ASTM D5185m >20	<b>0</b>	<1	---

## FLUID CLEANLINESS

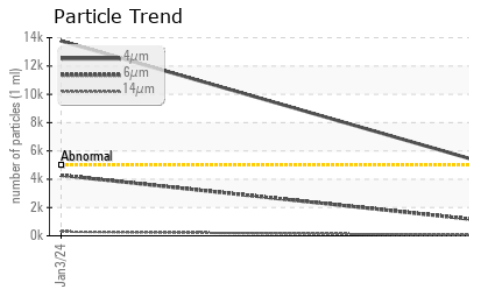
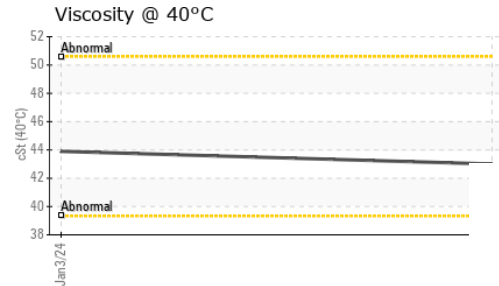
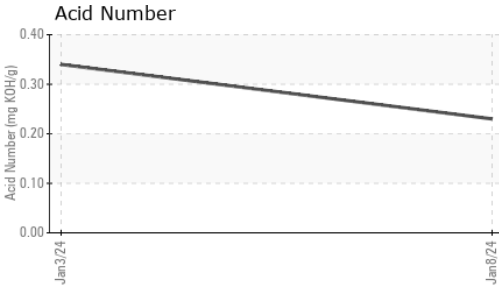
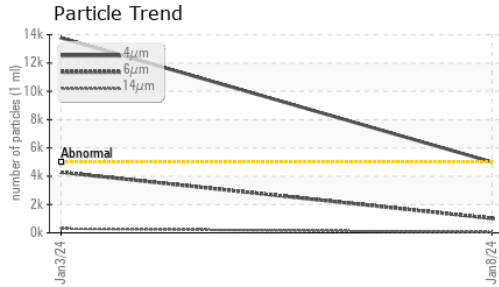
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	<b>5000</b>	▲ 13774	---
Particles >6µm	ASTM D7647 >1300	<b>1018</b>	▲ 4277	---
Particles >14µm	ASTM D7647 >160	<b>40</b>	▲ 295	---
Particles >21µm	ASTM D7647 >40	<b>8</b>	▲ 62	---
Particles >38µm	ASTM D7647 >10	<b>0</b>	3	---
Particles >71µm	ASTM D7647 >3	<b>0</b>	0	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	<b>19/17/12</b>	▲ 21/19/15	---

## FLUID DEGRADATION

method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g ASTM D8045	<b>0.23</b>	0.34	---



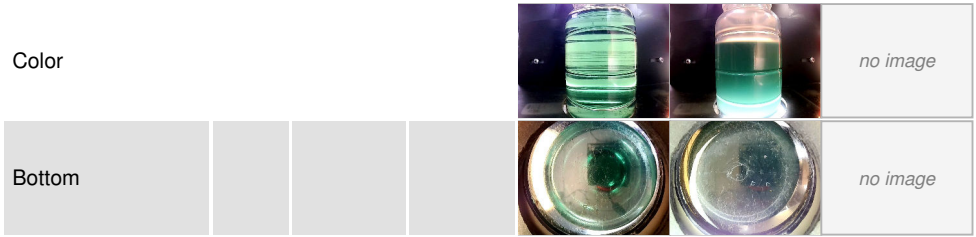
# OIL ANALYSIS REPORT



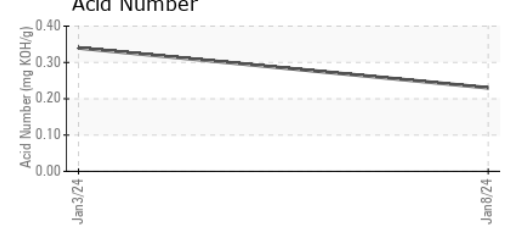
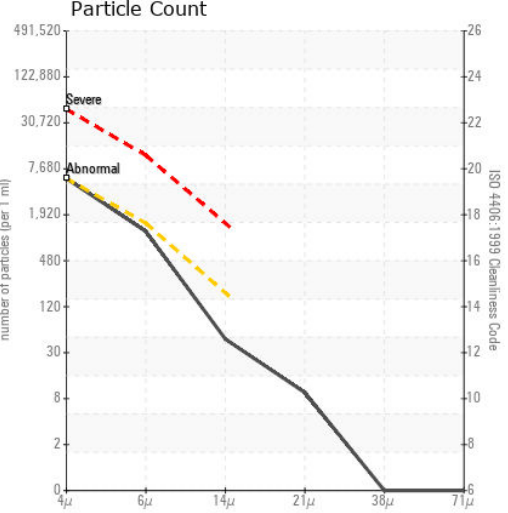
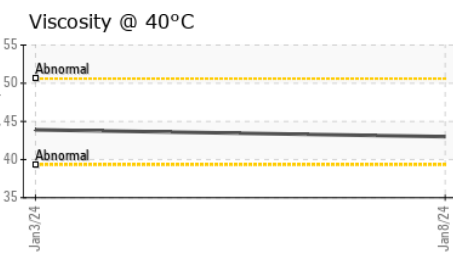
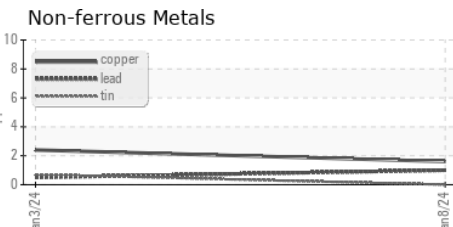
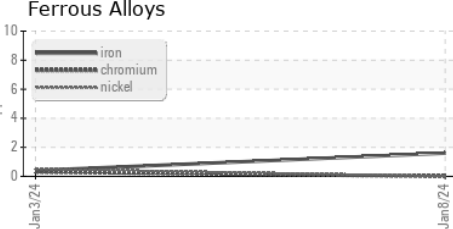
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.05	NEG	---
Free Water	scalar	*Visual		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>43.0</b>	43.9	---

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0671953 **Received** : 09 Jan 2024  
**Lab Number** : **06055358** **Diagnosed** : 10 Jan 2024  
**Unique Number** : 10821307 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**ALLVAC SAF CONDITIONING**  
 3750 ALLOY WAY  
 MONROE, NC  
 US 28110  
 Contact: BRIAN THORNTON  
 brian.thornton@atimetals.com  
 T: (704)289-4511  
 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)