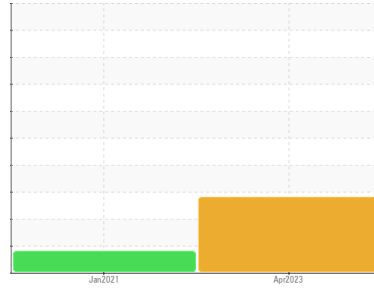




# PROBLEM SUMMARY

## Sample Rating Trend



ISO



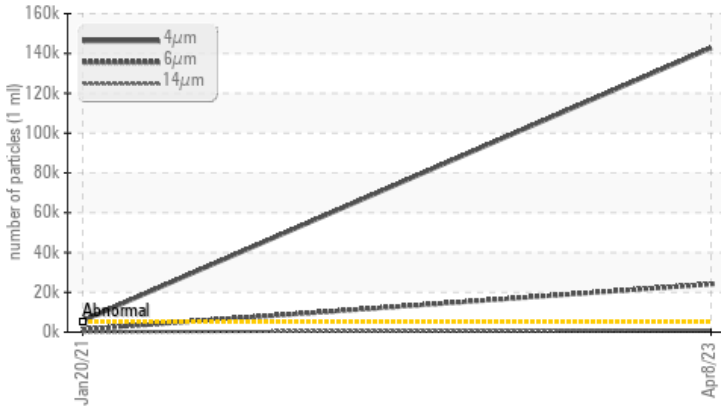
Machine Id  
**CLV 115 AG001**

Component  
**Hydraulic System**

Fluid  
**HYDRAULIC OIL FG ISO 46 (--- GAL)**

## COMPONENT CONDITION SUMMARY

### ▲ Particle Trend



## RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

## PROBLEMATIC TEST RESULTS

Sample Status	ASTM D7647	ASTM D7647	ABNORMAL	ATTENTION	---
Particles >4µm	ASTM D7647	>5000	▲ 142758	▲ 5728	---
Particles >6µm	ASTM D7647	>1300	▲ 24123	▲ 1405	---
Particles >14µm	ASTM D7647	>160	▲ 1089	77	---
Particles >21µm	ASTM D7647	>40	▲ 323	16	---
Particles >38µm	ASTM D7647	>10	▲ 55	1	---
Particles >71µm	ASTM D7647	>3	▲ 7	0	---
Oil Cleanliness	ISO 4406 (c)	>19/17/14	▲ 24/22/17	▲ 20/18/13	---

Customer Id: BAXSOC  
Sample No.: WC0580145  
Lab Number: 05817545  
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:  
Jonathan Hester +1 919-379-4092 x4092  
[jhester@wearcheckusa.com](mailto:jhester@wearcheckusa.com)

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

## RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Change Filter	---	---	?	We recommend you service the filters on this component.

## HISTORICAL DIAGNOSIS

20 Jan 2021 Diag: Don Baldrige

ISO



No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

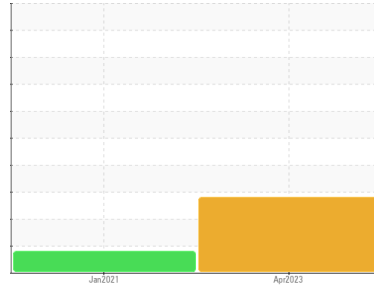
view report





# OIL ANALYSIS REPORT

## Sample Rating Trend



ISO



Machine Id  
**CLV 115 AG001**

Component  
**Hydraulic System**

Fluid  
**HYDRAULIC OIL FG ISO 46 (--- GAL)**

### DIAGNOSIS

#### ▲ Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### ▲ Contamination

There is a high amount of particulates present 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>WC0580145</b>	WC0404636	---
Sample Date	Client Info	<b>08 Apr 2023</b>	20 Jan 2021	---
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>ABNORMAL</b>	ATTENTION	---

### WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185m >20	<b>9</b>	7	---
Chromium	ppm	ASTM D5185m >20	<b>0</b>	0	---
Nickel	ppm	ASTM D5185m >20	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m	<b>0</b>	0	---
Silver	ppm	ASTM D5185m	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m >20	<b>&lt;1</b>	0	---
Lead	ppm	ASTM D5185m >20	<b>0</b>	0	---
Copper	ppm	ASTM D5185m >20	<b>&lt;1</b>	0	---
Tin	ppm	ASTM D5185m >20	<b>0</b>	0	---
Antimony	ppm	ASTM D5185m	<b>---</b>	0	---
Vanadium	ppm	ASTM D5185m	<b>0</b>	0	---
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	---

### ADDITIVES

method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m 5	<b>0</b>	<1	---
Barium	ppm	ASTM D5185m 5	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m 5	<b>0</b>	0	---
Manganese	ppm	ASTM D5185m	<b>&lt;1</b>	0	---
Magnesium	ppm	ASTM D5185m 5	<b>&lt;1</b>	0	---
Calcium	ppm	ASTM D5185m 12	<b>4</b>	0	---
Phosphorus	ppm	ASTM D5185m 400	<b>595</b>	556	---
Zinc	ppm	ASTM D5185m 12	<b>10</b>	2	---
Sulfur	ppm	ASTM D5185m 650	<b>631</b>	411	---

### CONTAMINANTS

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

### FLUID CLEANLINESS

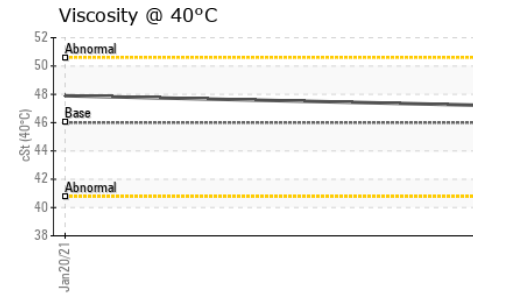
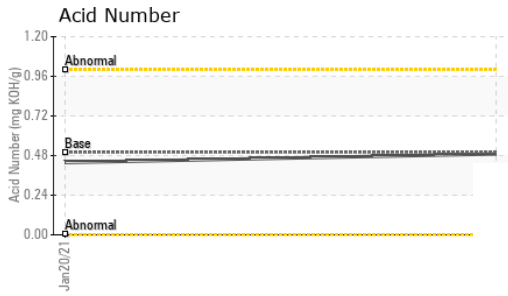
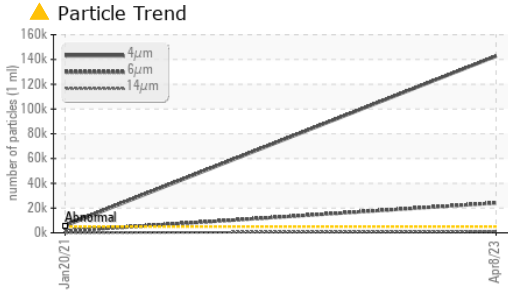
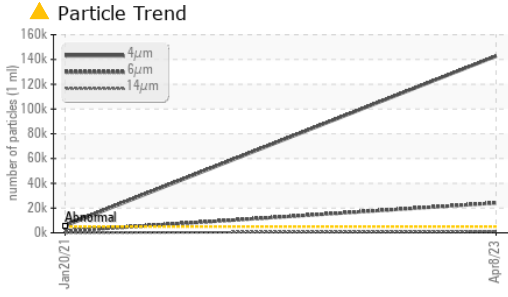
method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647 >5000	<b>▲ 142758</b>	▲ 5728	---
Particles >6µm	ASTM D7647 >1300	<b>▲ 24123</b>	▲ 1405	---
Particles >14µm	ASTM D7647 >160	<b>▲ 1089</b>	77	---
Particles >21µm	ASTM D7647 >40	<b>▲ 323</b>	16	---
Particles >38µm	ASTM D7647 >10	<b>▲ 55</b>	1	---
Particles >71µm	ASTM D7647 >3	<b>▲ 7</b>	0	---
Oil Cleanliness	ISO 4406 (c) >19/17/14	<b>▲ 24/22/17</b>	▲ 20/18/13	---

### FLUID DEGRADATION

method	limit/base	current	history1	history2	
Acid Number (AN)	mg KOH/g	ASTM D8045 0.50	<b>0.49</b>	0.438	---



# OIL ANALYSIS REPORT



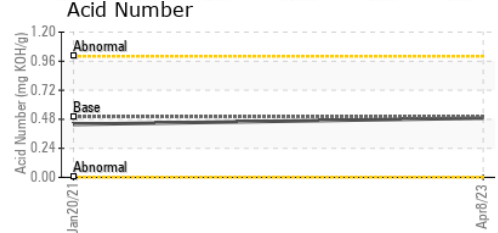
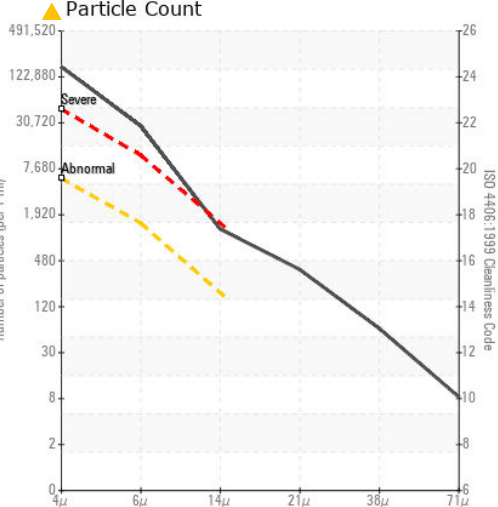
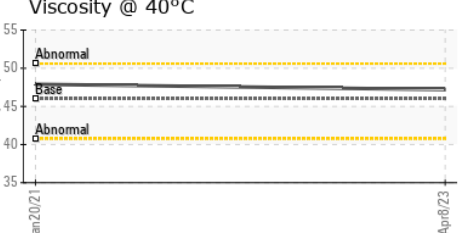
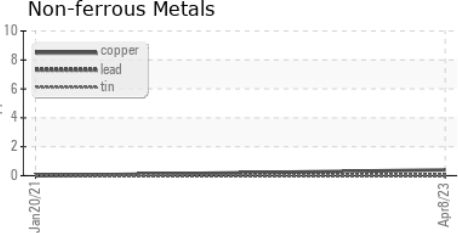
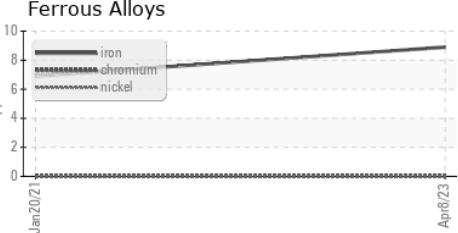
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---
Appearance	scalar	*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 46	47.2	47.9	---

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



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : WC0580145 **Received** : 12 Apr 2023  
**Lab Number** : 05817545 **Diagnosed** : 14 Apr 2023  
**Unique Number** : 10420337 **Diagnostician** : Jonathan Hester  
**Test Package** : IND 2

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 SOCIAL CIRCLE, GA  
 US 30025  
 Contact: BRANDON INMAN  
 BRANDON.INMAN@SHIRE.COM  
 T:  
 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)