



# OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id  
**HC2215**  
Component  
**1 Swing Drive**  
Fluid  
**GEAR OIL ISO 220 (--- GAL)**

## RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

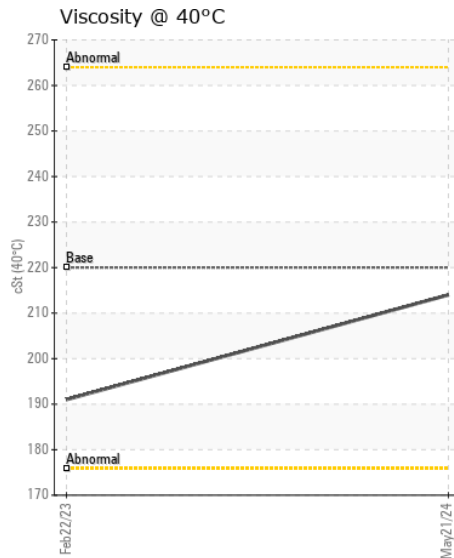
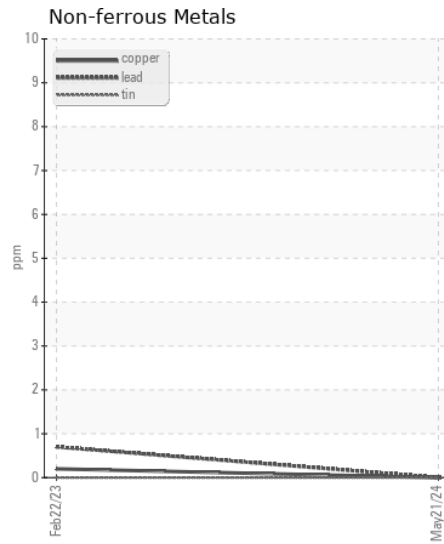
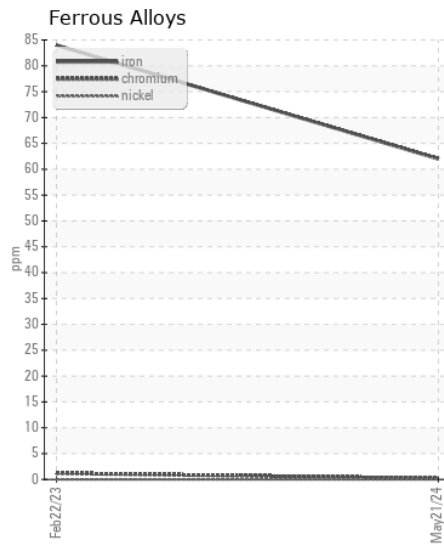
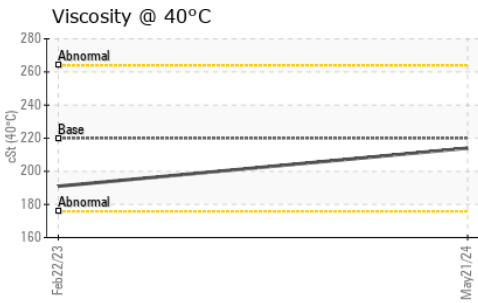
## CONTAMINATION

Moderate concentration of visible dirt/debris present in the oil.

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>WC0935881</b>	WC0556203	---
Sample Date		Client Info		<b>21 May 2024</b>	22 Feb 2023	---
Machine Age	hrs	Client Info		<b>12325</b>	10523	---
Oil Age	hrs	Client Info		<b>1802</b>	0	---
Filter Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed		Client Info		<b>Changed</b>	Changed	---
Filter Changed		Client Info		<b>Not Changed</b>	Changed	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---
<hr/>						
Iron	ppm	ASTM D5185m	>400	<b>62</b>	84	---
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	1	---
Nickel	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	---
Silver	ppm	ASTM D5185m		<b>0</b>	0	---
Aluminum	ppm	ASTM D5185m	>25	<b>0</b>	<1	---
Lead	ppm	ASTM D5185m	>50	<b>0</b>	<1	---
Copper	ppm	ASTM D5185m	>200	<b>0</b>	<1	---
Tin	ppm	ASTM D5185m	>10	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	---
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
<hr/>						
Silicon	ppm	ASTM D5185m	>50	<b>4</b>	3	---
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	2	---
Water		WC Method	>0.2	<b>NEG</b>	NEG	---
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Debris	scalar	*Visual	NONE	<b>▲ MODER</b>	VLITE	---
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	---
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	---
Emulsified Water	scalar	*Visual	>0.2	<b>NEG</b>	NEG	---
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Sodium	ppm	ASTM D5185m		<b>0</b>	<1	---
Boron	ppm	ASTM D5185m	50	<b>4</b>	2	---
Barium	ppm	ASTM D5185m	15	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185m	15	<b>2</b>	<1	---
Manganese	ppm	ASTM D5185m		<b>1</b>	4	---
Magnesium	ppm	ASTM D5185m	50	<b>0</b>	4	---
Calcium	ppm	ASTM D5185m	50	<b>6</b>	9	---
Phosphorus	ppm	ASTM D5185m	350	<b>409</b>	295	---
Zinc	ppm	ASTM D5185m	100	<b>11</b>	30	---
Sulfur	ppm	ASTM D5185m	12500	<b>6795</b>	6534	---
Visc @ 40°C	cSt	ASTM D445	220	<b>214</b>	191	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : WC0935881

**Lab Number** : 06191376

**Unique Number** : 11048128

**Test Package** : CONST

**Received** : 24 May 2024

**Tested** : 28 May 2024

**Diagnosed** : 29 May 2024 - Sean Felton

**BUCKNER HEAVY LIFT**

4732 NC 54 EAST

GRAHAM, NC

US 27253-9215

Contact: MICHAEL LAWSON

michaell@bucknercompanies.com

T: (336)376-8888

F: (336)376-4090

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)