



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CR1211 - 4.2
Component
Right Winch
Fluid
GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

WEAR

The iron level is abnormal.

CONTAMINATION

There is no indication of any contamination in the oil. Sample is layered with different type/density oil.

FLUID CONDITION

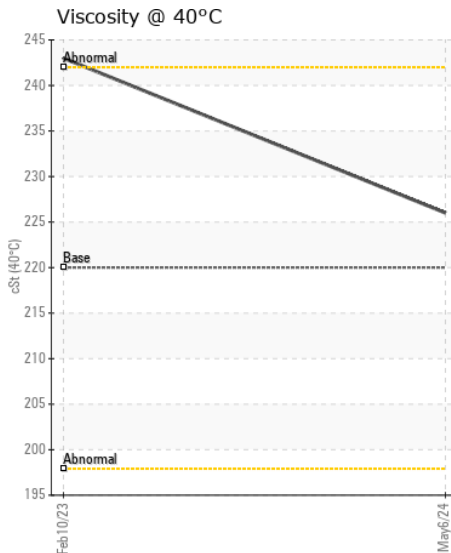
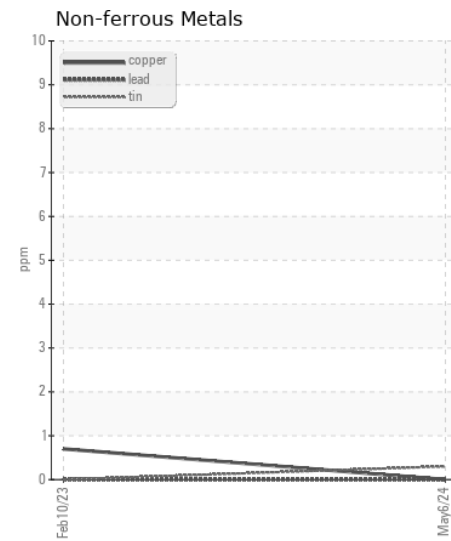
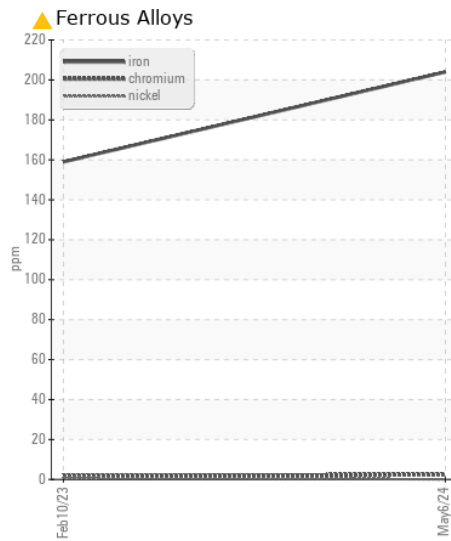
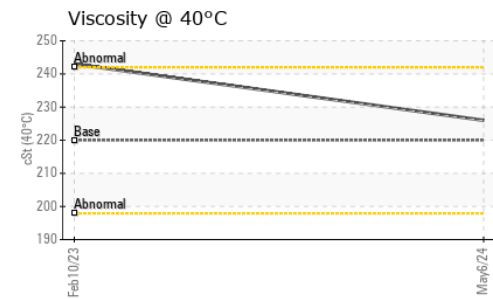
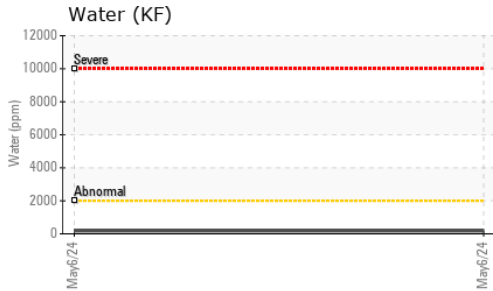
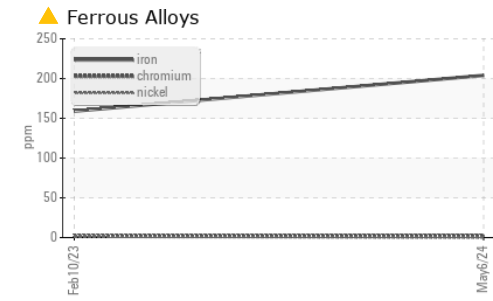
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0922273	WC0761676	---
Sample Date		Client Info		06 May 2024	10 Feb 2023	---
Machine Age	hrs	Client Info		8656	8363	---
Oil Age	hrs	Client Info		1000	818	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

Iron	ppm	ASTM D5185m	>150	▲ 204	▲ 159	---
Chromium	ppm	ASTM D5185m	>10	2	2	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>5	<1	1	---
Lead	ppm	ASTM D5185m	>15	0	0	---
Copper	ppm	ASTM D5185m	>80	0	<1	---
Tin	ppm	ASTM D5185m		<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

Silicon	ppm	ASTM D5185m	>25	7	2	---
Potassium	ppm	ASTM D5185m	>20	<1	3	---
Water	%	ASTM D6304	>0.2	0.018	---	---
ppm Water	ppm	ASTM D6304	>2000	180	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	● SOLID	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

Sodium	ppm	ASTM D5185m		1	4	---
Boron	ppm	ASTM D5185m	50	<1	<1	---
Barium	ppm	ASTM D5185m	15	<1	0	---
Molybdenum	ppm	ASTM D5185m	15	0	<1	---
Manganese	ppm	ASTM D5185m		2	1	---
Magnesium	ppm	ASTM D5185m	50	0	0	---
Calcium	ppm	ASTM D5185m	50	23	40	---
Phosphorus	ppm	ASTM D5185m	350	343	206	---
Zinc	ppm	ASTM D5185m	100	19	23	---
Sulfur	ppm	ASTM D5185m	12500	5950	3966	---
Visc @ 40°C	cSt	ASTM D445	220	226	243	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0922273
Lab Number : 06174797
Unique Number : 11020850
Test Package : CONST (Additional Tests: KF)

Received : 09 May 2024
Tested : 20 May 2024
Diagnosed : 20 May 2024 - Jonathan Hester

BUCKNER HEAVY LIFT
 4732 NC 54 EAST
 GRAHAM, NC
 US 27253-9215

Contact: MICHAEL LAWSON
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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)

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