



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CR4416 - REAR
Component
Left Inner Planetary
Fluid
GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0935951	WC0556207	---
Sample Date		Client Info		10 May 2024	22 Sep 2022	---
Machine Age	hrs	Client Info		9594	6260	---
Oil Age	hrs	Client Info		3334	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Not Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>500	23	16	---
Chromium	ppm	ASTM D5185m	>10	<1	0	---
Nickel	ppm	ASTM D5185m	>10	<1	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		1	0	---
Aluminum	ppm	ASTM D5185m	>25	<1	0	---
Lead	ppm	ASTM D5185m	>25	<1	0	---
Copper	ppm	ASTM D5185m	>75	3	2	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

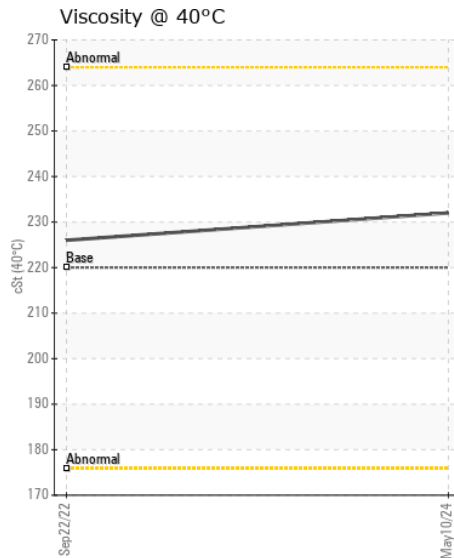
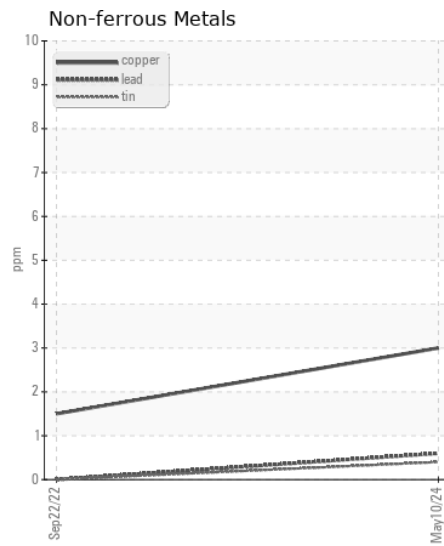
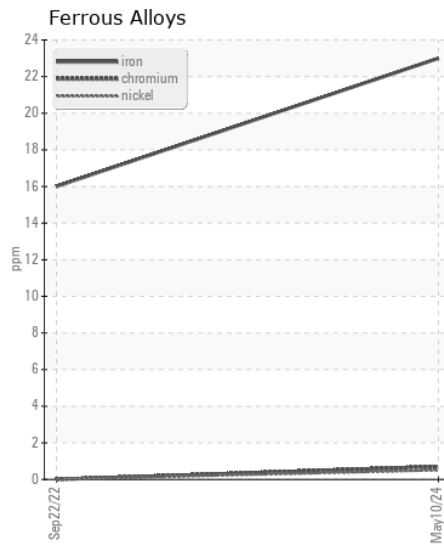
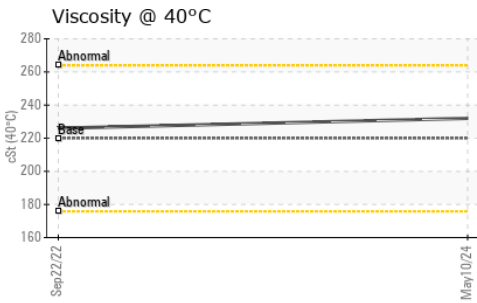
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	8	16	---
Potassium	ppm	ASTM D5185m	>20	2	<1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	MODER	MODER	---
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	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		1	0	---
Boron	ppm	ASTM D5185m	50	10	<1	---
Barium	ppm	ASTM D5185m	15	0	0	---
Molybdenum	ppm	ASTM D5185m	15	<1	0	---
Manganese	ppm	ASTM D5185m		<1	<1	---
Magnesium	ppm	ASTM D5185m	50	<1	0	---
Calcium	ppm	ASTM D5185m	50	8	28	---
Phosphorus	ppm	ASTM D5185m	350	385	438	---
Zinc	ppm	ASTM D5185m	100	6	9	---
Sulfur	ppm	ASTM D5185m	12500	4882	2703	---
Visc @ 40°C	cSt	ASTM D445	220	232	226	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0935951
Lab Number : 06193105
Unique Number : 11049857
Test Package : CONST

Received : 28 May 2024
Tested : 30 May 2024
Diagnosed : 30 May 2024 - Sean Felton

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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