



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL

Machine Id
HC2207
Component
Left Planetary
Fluid
GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

An increase in the iron level is noted. Gear wear is indicated.

CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

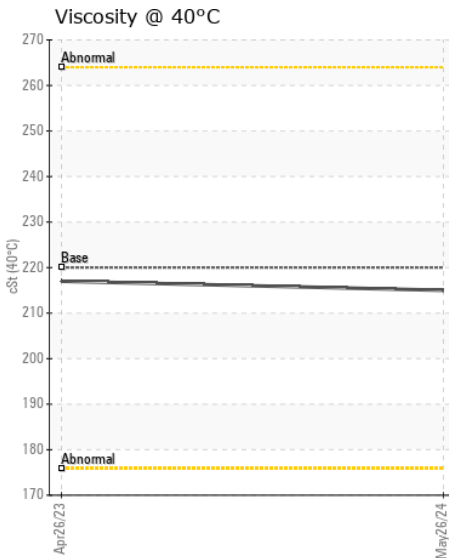
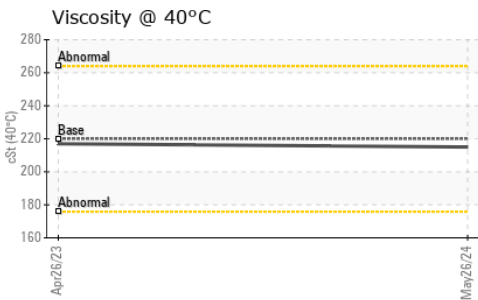
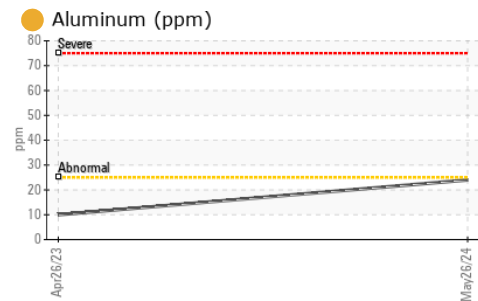
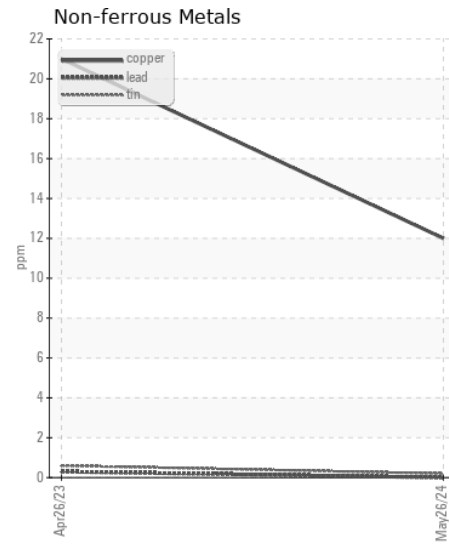
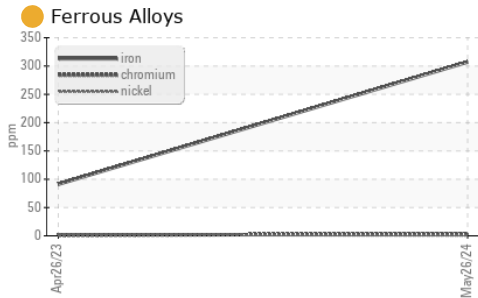
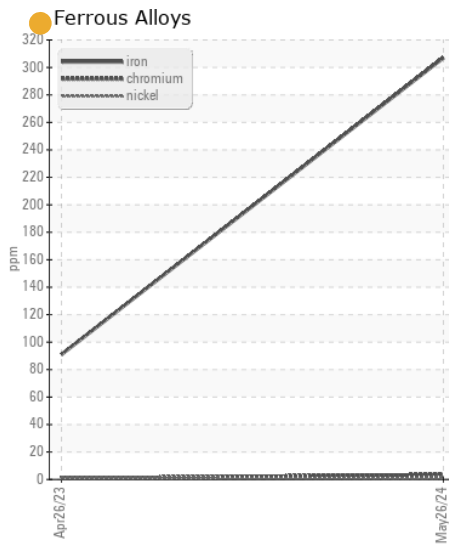
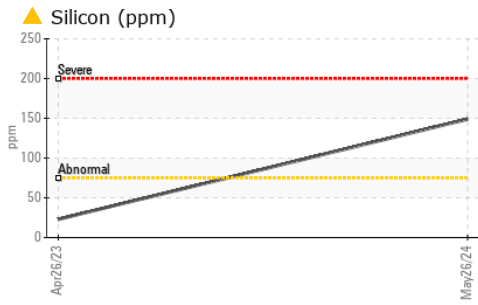
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0936021	WC0784806	---
Sample Date		Client Info		26 May 2024	26 Apr 2023	---
Machine Age	hrs	Client Info		8388	7638	---
Oil Age	hrs	Client Info		750	974	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Not Changed	Changed	---
Sample Status				ABNORMAL	NORMAL	---

Iron	ppm	ASTM D5185m	>500	307	91	---
Chromium	ppm	ASTM D5185m	>10	4	<1	---
Nickel	ppm	ASTM D5185m	>10	<1	1	---
Titanium	ppm	ASTM D5185m		2	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	24	10	---
Lead	ppm	ASTM D5185m	>25	0	<1	---
Copper	ppm	ASTM D5185m	>75	12	21	---
Tin	ppm	ASTM D5185m	>10	<1	<1	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

Silicon	ppm	ASTM D5185m	>75	149	23	---
Potassium	ppm	ASTM D5185m	>20	4	4	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	MODER	NONE	---
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	---

Sodium	ppm	ASTM D5185m		2	1	---
Boron	ppm	ASTM D5185m	50	23	44	---
Barium	ppm	ASTM D5185m	15	0	0	---
Molybdenum	ppm	ASTM D5185m	15	2	0	---
Manganese	ppm	ASTM D5185m		4	2	---
Magnesium	ppm	ASTM D5185m	50	7	2	---
Calcium	ppm	ASTM D5185m	50	19	7	---
Phosphorus	ppm	ASTM D5185m	350	469	566	---
Zinc	ppm	ASTM D5185m	100	4	<1	---
Sulfur	ppm	ASTM D5185m	12500	7950	10105	---
Visc @ 40°C	cSt	ASTM D445	220	215	217	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0936021
Lab Number : 06191367
Unique Number : 11048119
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

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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)