



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
HC2215
Component
Gearbox
Fluid
GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

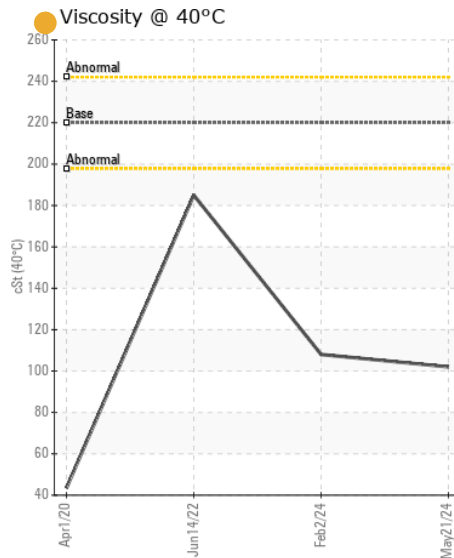
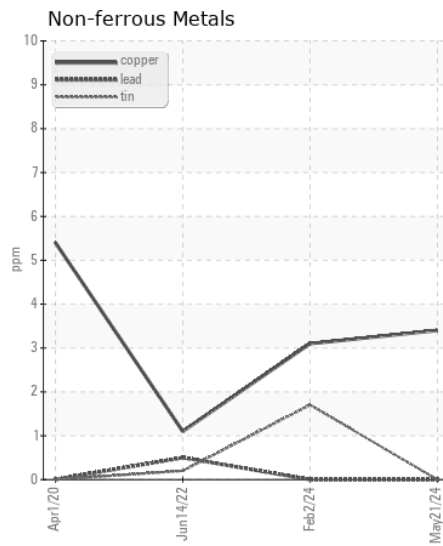
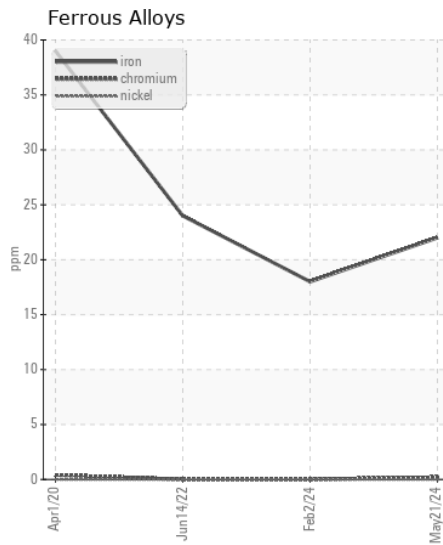
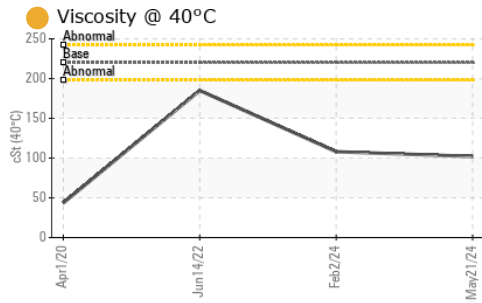
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The oil viscosity is lower than normal.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0935885	WC0893164	WC0686997
Sample Date		Client Info		21 May 2024	02 Feb 2024	14 Jun 2022
Machine Age	hrs	Client Info		12325	11679	10111
Oil Age	hrs	Client Info		1802	0	162
Filter Age	hrs	Client Info		0	0	162
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				ATTENTION	ATTENTION	NORMAL
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Iron	ppm	ASTM D5185m	>200	22	18	24
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	3
Aluminum	ppm	ASTM D5185m	>25	1	2	3
Lead	ppm	ASTM D5185m	>50	0	0	<1
Copper	ppm	ASTM D5185m	>200	3	3	1
Tin	ppm	ASTM D5185m	>10	0	2	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
<hr/>						
Silicon	ppm	ASTM D5185m	>50	18	18	20
Potassium	ppm	ASTM D5185m	>20	0	0	2
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
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Sodium	ppm	ASTM D5185m		<1	0	0
Boron	ppm	ASTM D5185m	50	0	<1	6
Barium	ppm	ASTM D5185m	15	<1	0	<1
Molybdenum	ppm	ASTM D5185m	15	2	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	50	1	0	2
Calcium	ppm	ASTM D5185m	50	61	46	29
Phosphorus	ppm	ASTM D5185m	350	406	363	413
Zinc	ppm	ASTM D5185m	100	181	150	45
Sulfur	ppm	ASTM D5185m	12500	3531	2957	3982
Visc @ 40°C	cSt	ASTM D445	220	102	108	185



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0935885
Lab Number : 06191378
Unique Number : 11048130
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
 michael@bucknercompanies.com

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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