



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CR3316
Component
Gearbox
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		WC0873414	WC0823643	WC0785059
Sample Date		Client Info		20 Jan 2024	09 Oct 2023	03 Mar 2023
Machine Age	hrs	Client Info		10428	10177	9250
Oil Age	hrs	Client Info		947	696	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		Changed	Not Changd	Changed
Sample Status				NORMAL	ATTENTION	ATTENTION

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>200	124	16	9
Chromium	ppm	ASTM D5185m	>10	2	0	0
Nickel	ppm	ASTM D5185m	>10	1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	0	<1
Lead	ppm	ASTM D5185m	>50	0	0	<1
Copper	ppm	ASTM D5185m	>200	2	3	4
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

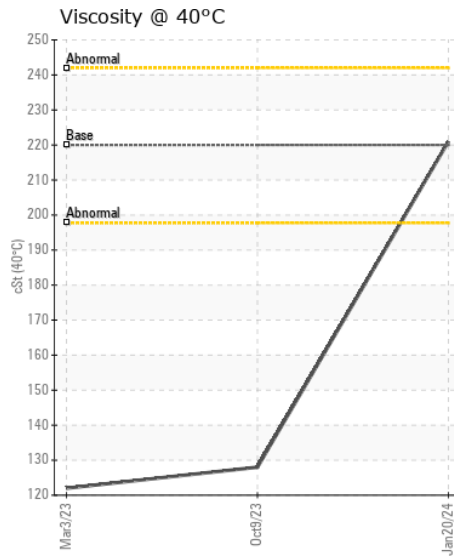
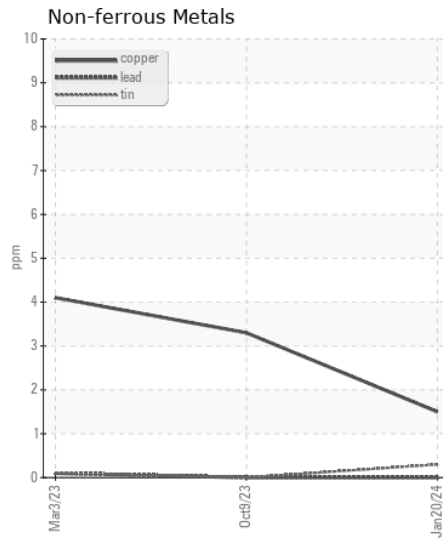
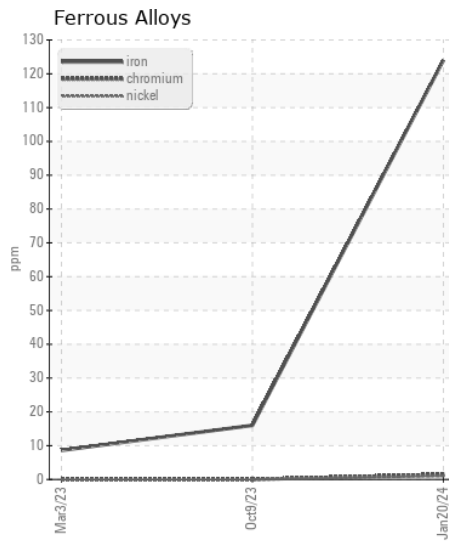
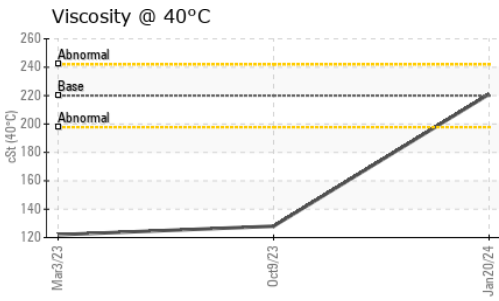
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>50	14	4	<1
Potassium	ppm	ASTM D5185m	>20	6	3	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	VLITE
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		7	8	0
Boron	ppm	ASTM D5185m	50	1	2	38
Barium	ppm	ASTM D5185m	15	3	0	0
Molybdenum	ppm	ASTM D5185m	15	0	0	1
Manganese	ppm	ASTM D5185m		2	0	<1
Magnesium	ppm	ASTM D5185m	50	8	6	9
Calcium	ppm	ASTM D5185m	50	130	58	47
Phosphorus	ppm	ASTM D5185m	350	293	248	514
Zinc	ppm	ASTM D5185m	100	90	235	157
Sulfur	ppm	ASTM D5185m	12500	4168	2673	7581
Visc @ 40°C	cSt	ASTM D445	220	221	▲ 128	▲ 122



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0873414 **Received** : 30 Jan 2024
Lab Number : 06074237 **Diagnosed** : 31 Jan 2024
Unique Number : 10856328 **Diagnostician** : Jonathan Hester
Test Package : CONST

BUCKNER HEAVY LIFT
 4732 NC 54 EAST
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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)