



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CR3312
Component
Right Track Drive
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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0923021	WC0751859	---
Sample Date		Client Info		13 Jun 2024	14 Jan 2023	---
Machine Age	hrs	Client Info		11130	8553	---
Oil Age	hrs	Client Info		1000	1000	---
Filter Age	hrs	Client Info		0	1000	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

The copper level is abnormal. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>1000	57	67	---
Chromium	ppm	ASTM D5185m	>30	<1	<1	---
Nickel	ppm	ASTM D5185m	>7	1	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>25	<1	0	---
Lead	ppm	ASTM D5185m	>50	3	5	---
Copper	ppm	ASTM D5185m	>100	▲ 116	▲ 316	---
Tin	ppm	ASTM D5185m	>5	4	1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

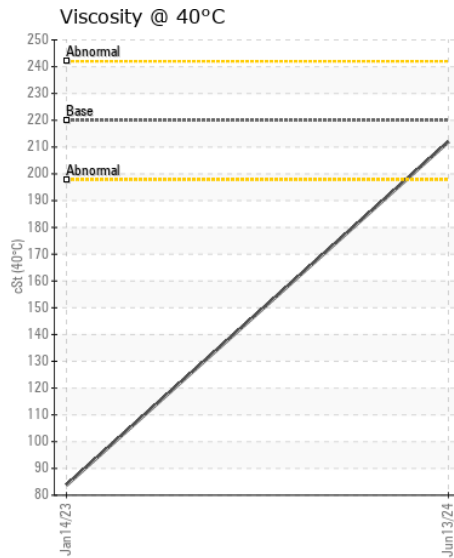
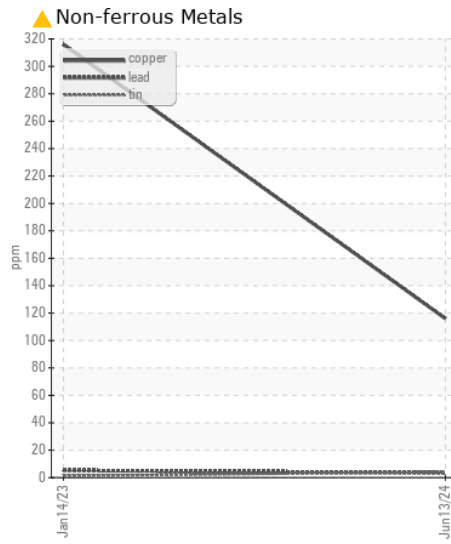
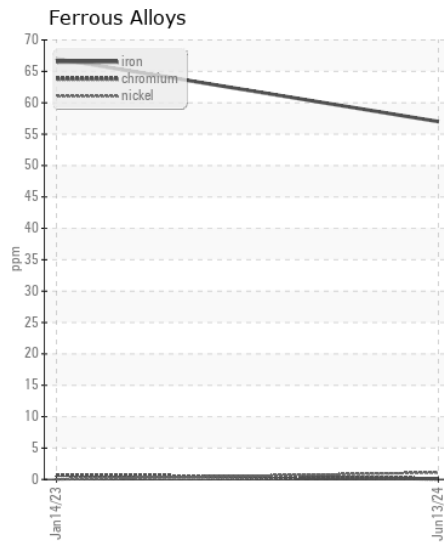
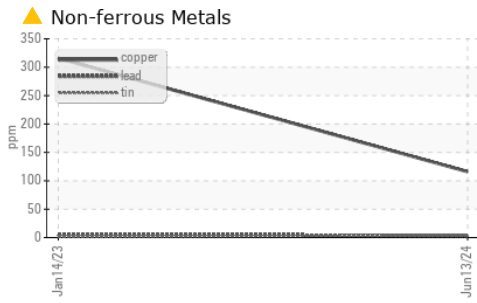
CONTAMINATION

There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>150	2	3	---
Potassium	ppm	ASTM D5185m	>20	9	<1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	LIGHT	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

Sodium	ppm	ASTM D5185m		5	0	---
Boron	ppm	ASTM D5185m	50	6	134	---
Barium	ppm	ASTM D5185m	15	0	0	---
Molybdenum	ppm	ASTM D5185m	15	0	1	---
Manganese	ppm	ASTM D5185m		1	1	---
Magnesium	ppm	ASTM D5185m	50	2	5	---
Calcium	ppm	ASTM D5185m	50	8	34	---
Phosphorus	ppm	ASTM D5185m	350	260	824	---
Zinc	ppm	ASTM D5185m	100	31	137	---
Sulfur	ppm	ASTM D5185m	12500	8671	14519	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : WC0923021

Lab Number : 06212659

Unique Number : 11085523

Test Package : CONST

Received : 17 Jun 2024

Tested : 19 Jun 2024

Diagnosed : 19 Jun 2024 - Angela Borella

BUCKNER HEAVY LIFT

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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)