OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CR1221
Component
1 Swing Drive
Fluid
GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

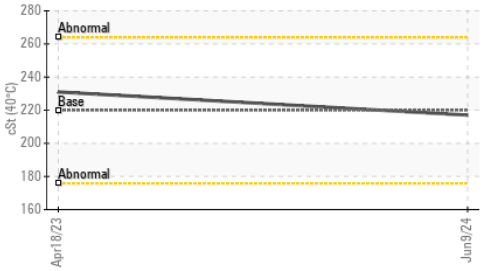
There is no indication of any contamination in the oil.

FLUID CONDITION

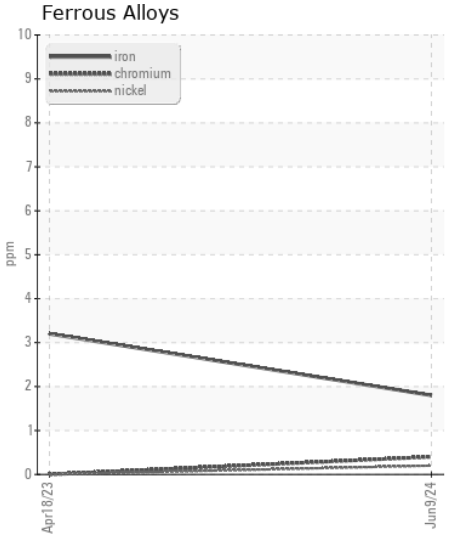
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		**WC0922208**	WC0776974	---
Sample Date		Client Info		**09 Jun 2024**	18 Apr 2023	---
Machine Age	hrs	Client Info		**3207**	2157	---
Oil Age	hrs	Client Info		**1000**	0	---
Filter Age	hrs	Client Info		**0**	0	---
Oil Changed		Client Info		**Changed**	Changed	---
Filter Changed		Client Info		**N/A**	Changed	---
Sample Status				**NORMAL**	ABNORMAL	---
Iron	ppm	ASTM D5185m	>400	**2**	3	---
Chromium	ppm	ASTM D5185m	>10	**<1**	0	---
Nickel	ppm	ASTM D5185m	>10	**<1**	0	---
Titanium	ppm	ASTM D5185m		**<1**	0	---
Silver	ppm	ASTM D5185m		**0**	0	---
Aluminum	ppm	ASTM D5185m	>25	**1**	0	---
Lead	ppm	ASTM D5185m	>50	**<1**	0	---
Copper	ppm	ASTM D5185m	>200	**<1**	0	---
Tin	ppm	ASTM D5185m	>10	**0**	0	---
Vanadium	ppm	ASTM D5185m		**0**	0	---
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Silicon	ppm	ASTM D5185m	>50	**1**	<1	---
Potassium	ppm	ASTM D5185m	>20	**<1**	<1	---
Water		WC Method	>0.2	**NEG**	NEG	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	▲ MODER	---
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		**0**	<1	---
Boron	ppm	ASTM D5185m	50	**7**	18	---
Barium	ppm	ASTM D5185m	15	**0**	0	---
Molybdenum	ppm	ASTM D5185m	15	**<1**	0	---
Manganese	ppm	ASTM D5185m		**0**	<1	---
Magnesium	ppm	ASTM D5185m	50	**0**	0	---
Calcium	ppm	ASTM D5185m	50	**0**	4	---
Phosphorus	ppm	ASTM D5185m	350	**378**	413	---
Zinc	ppm	ASTM D5185m	100	**6**	6	---
Sulfur	ppm	ASTM D5185m	12500	**5474**	6818	---
Visc @ 40°C	cSt	ASTM D445	220	**217**	231	---

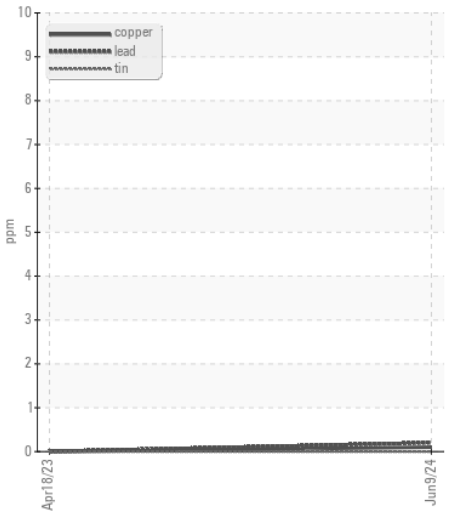
Viscosity @ 40°C



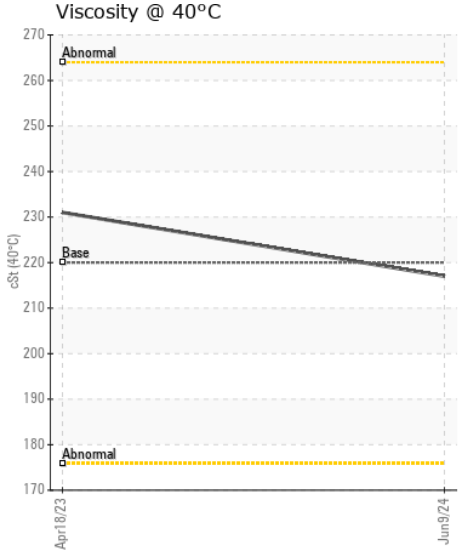
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0922208
Lab Number : 06210529
Unique Number : 11083393
Test Package : CONST

Received : 14 Jun 2024
Tested : 17 Jun 2024
Diagnosed : 17 Jun 2024 - Wes Davis

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)

BUCKNER HEAVY LIFT
4732 NC 54 EAST
GRAHAM, NC
US 27253-9215
Contact: MICHAEL LAWSON
michaell@bucknercompanies.com
T: (336)376-8888
F: (336)376-4090