



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION

Machine Id
CR1219
Component
1 Winch
Fluid
GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

WEAR

Bearing and/or gear wear is indicated.

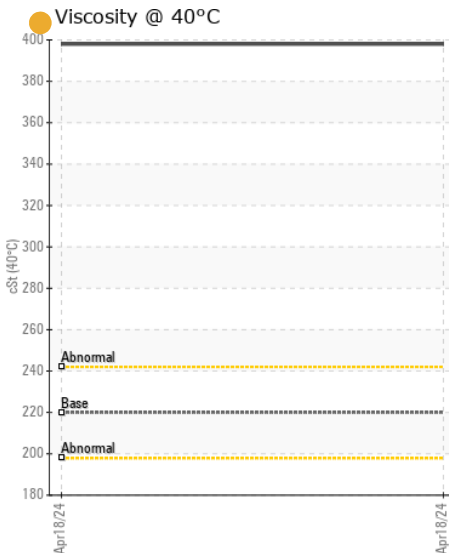
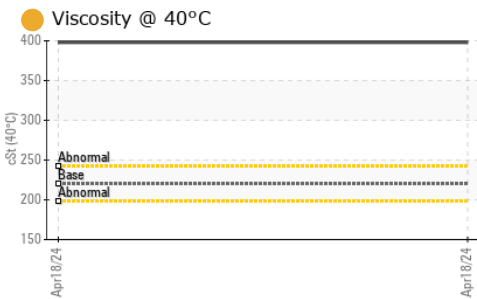
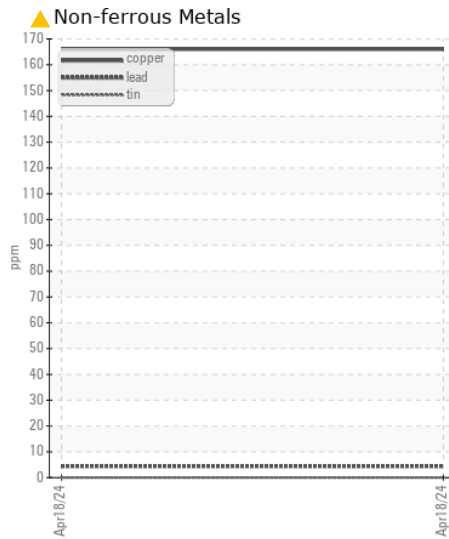
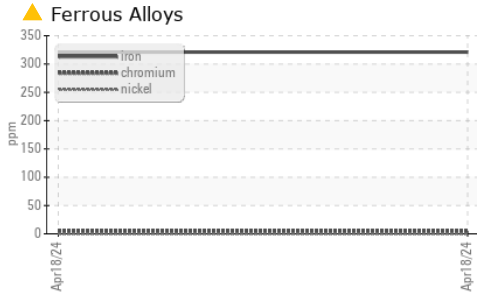
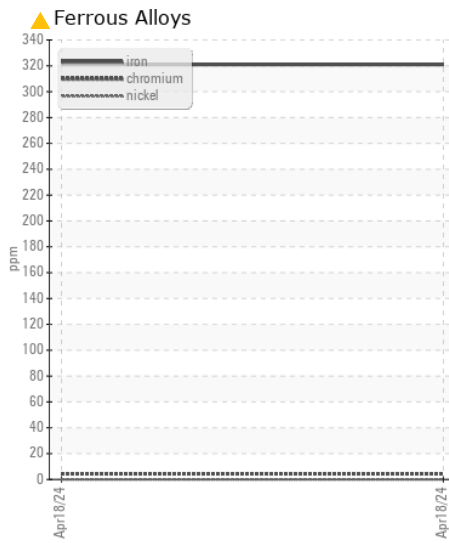
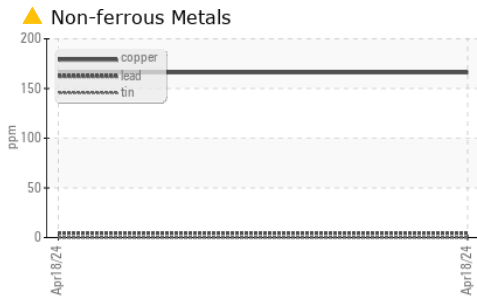
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

The oil viscosity is higher than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0877416	---	---
Sample Date		Client Info		18 Apr 2024	---	---
Machine Age	hrs	Client Info		3611	---	---
Oil Age	hrs	Client Info		992	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---
<hr/>						
Iron	ppm	ASTM D5185m	>150	▲ 321	---	---
Chromium	ppm	ASTM D5185m	>10	4	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>5	3	---	---
Lead	ppm	ASTM D5185m	>15	4	---	---
Copper	ppm	ASTM D5185m	>80	▲ 166	---	---
Tin	ppm	ASTM D5185m		0	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
<hr/>						
Silicon	ppm	ASTM D5185m	>25	8	---	---
Potassium	ppm	ASTM D5185m	>20	9	---	---
Water		WC Method	>0.2	NEG	---	---
Silt	scalar	*Visual	NONE	MODER	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.2	NEG	---	---
<hr/>						
Sodium	ppm	ASTM D5185m		11	---	---
Boron	ppm	ASTM D5185m	50	2	---	---
Barium	ppm	ASTM D5185m	15	2	---	---
Molybdenum	ppm	ASTM D5185m	15	<1	---	---
Manganese	ppm	ASTM D5185m		3	---	---
Magnesium	ppm	ASTM D5185m	50	2	---	---
Calcium	ppm	ASTM D5185m	50	142	---	---
Phosphorus	ppm	ASTM D5185m	350	65	---	---
Zinc	ppm	ASTM D5185m	100	133	---	---
Sulfur	ppm	ASTM D5185m	12500	1580	---	---
Visc @ 40°C	cSt	ASTM D445	220	● 398	---	---



Certificate L2367

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

Sample No. : WC0877416

Lab Number : 06161057

Unique Number : 10996480

Test Package : CONST

Received : 25 Apr 2024

Tested : 26 Apr 2024

Diagnosed : 29 Apr 2024 - Don Baldrige

BUCKNER HEAVY LIFT

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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)