



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
CR5503
Component
2 Winch
Fluid
GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

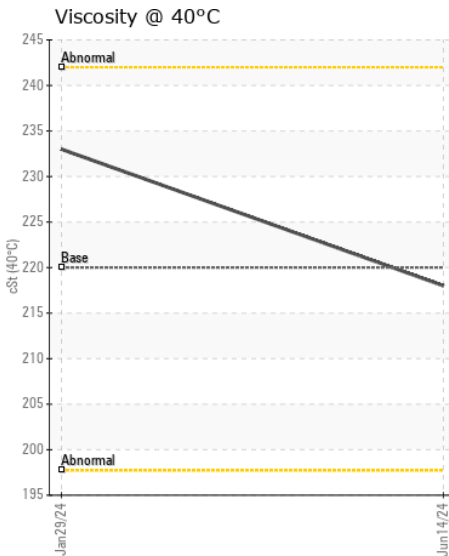
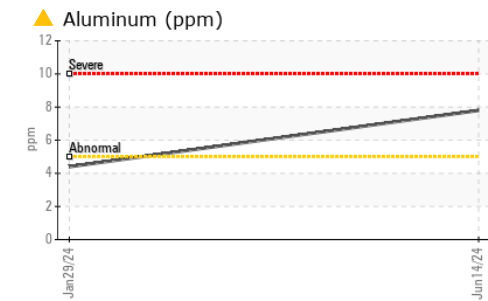
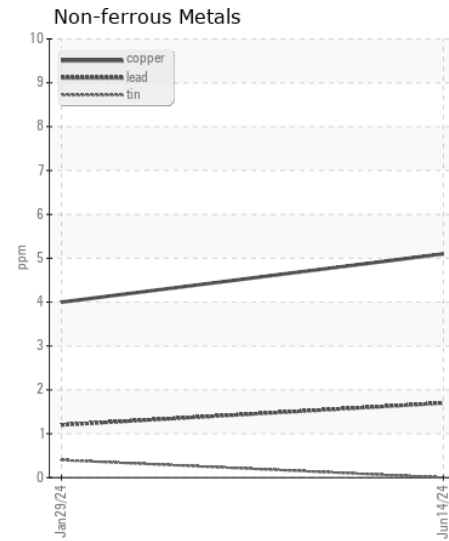
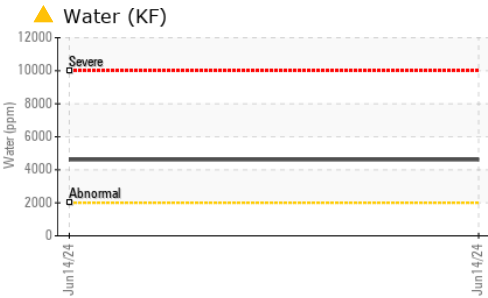
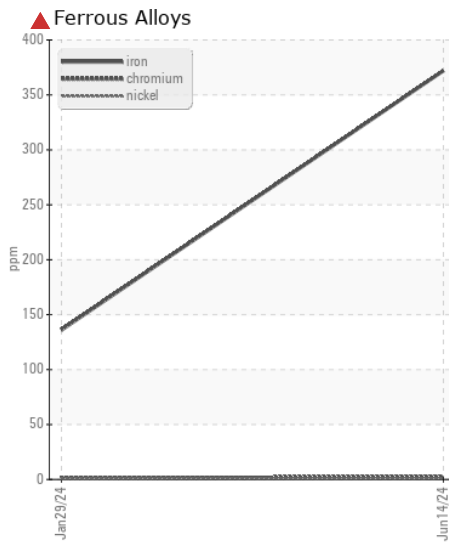
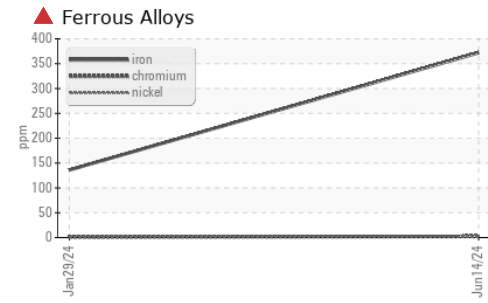
CONTAMINATION

There is a moderate concentration of water present in the oil. There is a high amount of visible silt present in the sample.

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0952002	WC0893061	---
Sample Date		Client Info		14 Jun 2024	29 Jan 2024	---
Machine Age	hrs	Client Info		10882	0	---
Oil Age	hrs	Client Info		740	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	N/A	---
Filter Changed		Client Info		Not Changed	N/A	---
Sample Status				SEVERE	NORMAL	---
<hr/>						
Iron	ppm	ASTM D5185m	>150	▲ 372	136	---
Chromium	ppm	ASTM D5185m	>10	2	1	---
Nickel	ppm	ASTM D5185m	>10	1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>5	▲ 8	4	---
Lead	ppm	ASTM D5185m	>15	2	1	---
Copper	ppm	ASTM D5185m	>80	5	4	---
Tin	ppm	ASTM D5185m		0	<1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
<hr/>						
Silicon	ppm	ASTM D5185m	>25	21	12	---
Potassium	ppm	ASTM D5185m	>20	6	2	---
Water	%	ASTM D6304	>0.2	▲ 0.461	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 4610	---	---
Silt	scalar	*Visual	NONE	▲ HEAVY	NONE	---
Debris	scalar	*Visual	NONE	NONE	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	▲ 0.2%	NEG	---
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Sodium	ppm	ASTM D5185m		14	12	---
Boron	ppm	ASTM D5185m	50	3	5	---
Barium	ppm	ASTM D5185m	15	4	0	---
Molybdenum	ppm	ASTM D5185m	15	0	<1	---
Manganese	ppm	ASTM D5185m		2	<1	---
Magnesium	ppm	ASTM D5185m	50	12	2	---
Calcium	ppm	ASTM D5185m	50	1204	16	---
Phosphorus	ppm	ASTM D5185m	350	316	0	---
Zinc	ppm	ASTM D5185m	100	201	39	---
Sulfur	ppm	ASTM D5185m	12500	3139	2062	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0952002 **Received** : 24 Jun 2024
Lab Number : 06218962 **Tested** : 26 Jun 2024
Unique Number : 11097159 **Diagnosed** : 26 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: KF)

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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