



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
CR5503 - 4.2
Component
Winch
Fluid
GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

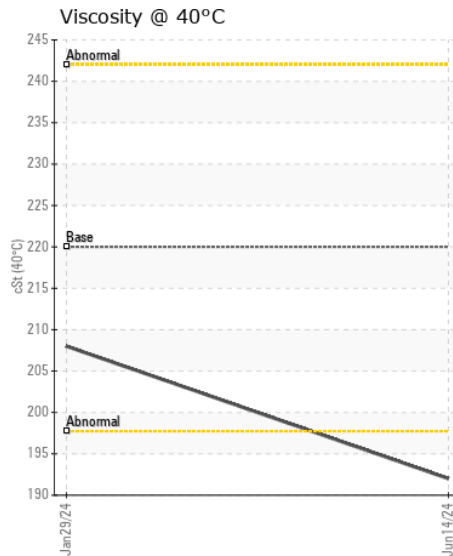
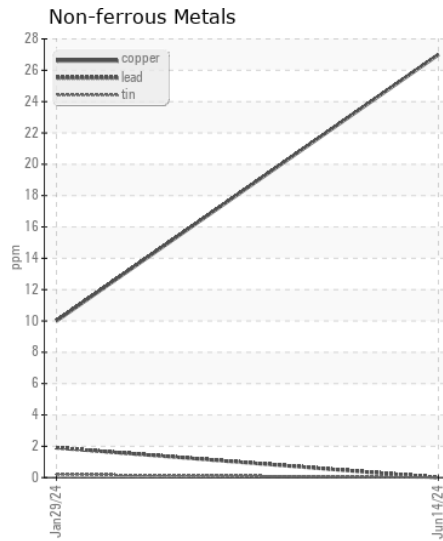
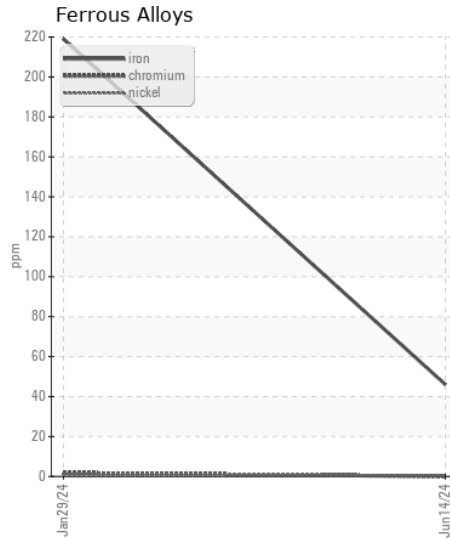
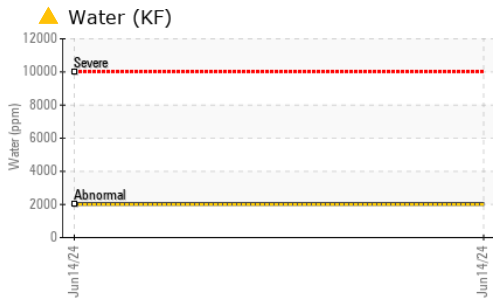
CONTAMINATION

Appearance is hazy. There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil. There is a high amount of visible silt present in the sample.

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		WC0952191	WC0893054	---
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				ABNORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>150	46	▲ 219	---
Chromium	ppm	ASTM D5185m	>10	0	2	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>5	<1	<1	---
Lead	ppm	ASTM D5185m	>15	0	2	---
Copper	ppm	ASTM D5185m	>80	27	10	---
Tin	ppm	ASTM D5185m		0	<1	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>25	1	9	---
Potassium	ppm	ASTM D5185m	>20	2	3	---
Water	%	ASTM D6304	>0.2	▲ 0.202	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 2020	---	---
Silt	scalar	*Visual	NONE	▲ HEAVY	MODER	---
Debris	scalar	*Visual	NONE	▲ MODER	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	● HAZY	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	▲ 0.2%	NEG	---
Sodium	ppm	ASTM D5185m		0	<1	---
Boron	ppm	ASTM D5185m	50	2	1	---
Barium	ppm	ASTM D5185m	15	0	0	---
Molybdenum	ppm	ASTM D5185m	15	0	<1	---
Manganese	ppm	ASTM D5185m		1	3	---
Magnesium	ppm	ASTM D5185m	50	<1	1	---
Calcium	ppm	ASTM D5185m	50	142	2	---
Phosphorus	ppm	ASTM D5185m	350	239	204	---
Zinc	ppm	ASTM D5185m	100	66	69	---
Sulfur	ppm	ASTM D5185m	12500	4657	6517	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0952191 **Received** : 24 Jun 2024
Lab Number : 06218949 **Tested** : 26 Jun 2024
Unique Number : 11097146 **Diagnosed** : 26 Jun 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: KF)

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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)