OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CR1211
Component
2 Winch
Fluid
GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

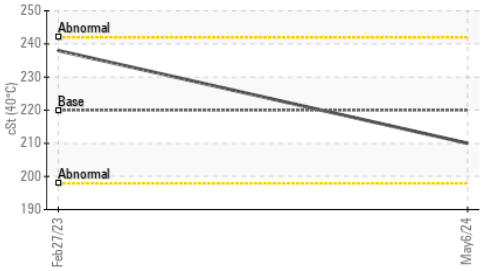
There is no indication of any contamination in the oil.

FLUID CONDITION

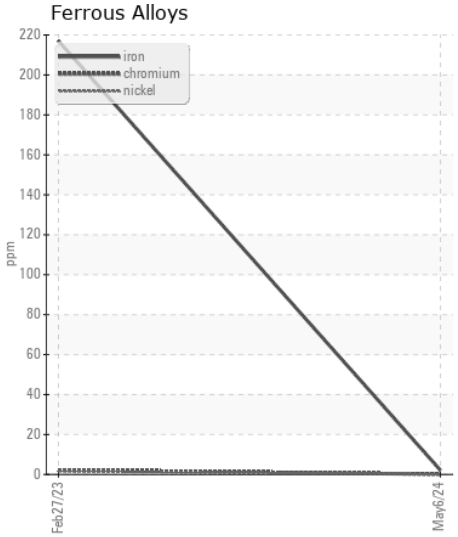
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0922250	WC0785006	---
Sample Date		Client Info		06 May 2024	27 Feb 2023	---
Machine Age	hrs	Client Info		8656	8363	---
Oil Age	hrs	Client Info		0	818	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	ABNORMAL	---
Iron	ppm	ASTM D5185m	>150	2	▲ 217	---
Chromium	ppm	ASTM D5185m	>10	<1	2	---
Nickel	ppm	ASTM D5185m	>10	0	2	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>5	<1	4	---
Lead	ppm	ASTM D5185m	>15	<1	<1	---
Copper	ppm	ASTM D5185m	>80	0	<1	---
Tin	ppm	ASTM D5185m		1	<1	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m	>25	2	▲ 75	---
Potassium	ppm	ASTM D5185m	>20	3	6	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	MODER	---
Debris	scalar	*Visual	NONE	NONE	▲ MODER	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	● SOLID	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---
Sodium	ppm	ASTM D5185m		0	5	---
Boron	ppm	ASTM D5185m	50	16	0	---
Barium	ppm	ASTM D5185m	15	<1	0	---
Molybdenum	ppm	ASTM D5185m	15	0	0	---
Manganese	ppm	ASTM D5185m		<1	2	---
Magnesium	ppm	ASTM D5185m	50	0	57	---
Calcium	ppm	ASTM D5185m	50	0	158	---
Phosphorus	ppm	ASTM D5185m	350	704	445	---
Zinc	ppm	ASTM D5185m	100	0	51	---
Sulfur	ppm	ASTM D5185m	12500	8206	5218	---
Visc @ 40°C	cSt	ASTM D445	220	210	238	---

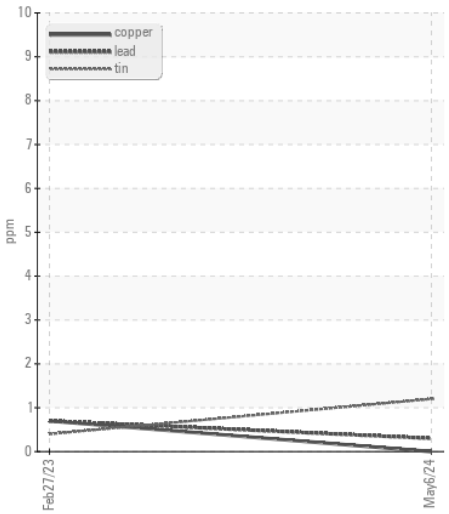
Viscosity @ 40°C



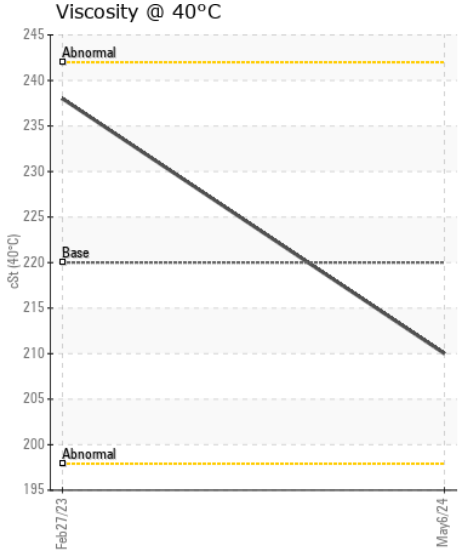
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0922250
Lab Number : 06174802
Unique Number : 11020855
Test Package : CONST

Received : 09 May 2024
Tested : 10 May 2024
Diagnosed : 13 May 2024 - Sean Felton

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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