



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
CR3303
Component
2 Winch
Fluid
GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0935863	WC0785094	---
Sample Date		Client Info		22 May 2024	23 Mar 2023	---
Machine Age	hrs	Client Info		10221	8410	---
Oil Age	hrs	Client Info		1811	1689	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Not Changed	Changed	---
Sample Status				NORMAL	ATTENTION	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	58	122	---
Chromium	ppm	ASTM D5185m	>10	0	1	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m	>5	<1	0	---
Lead	ppm	ASTM D5185m	>15	0	0	---
Copper	ppm	ASTM D5185m	>80	<1	4	---
Tin	ppm	ASTM D5185m		<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

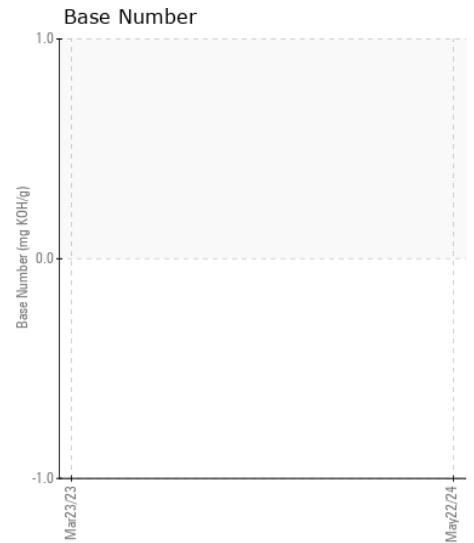
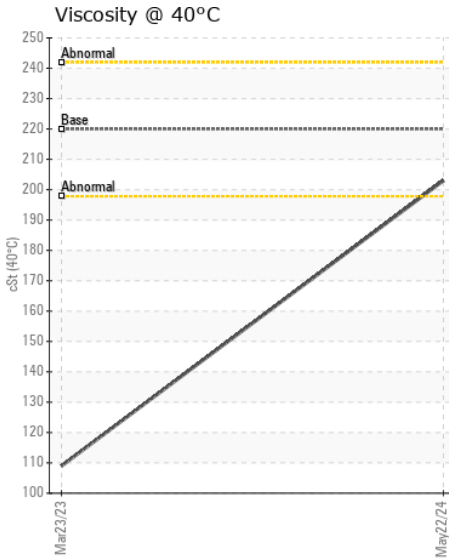
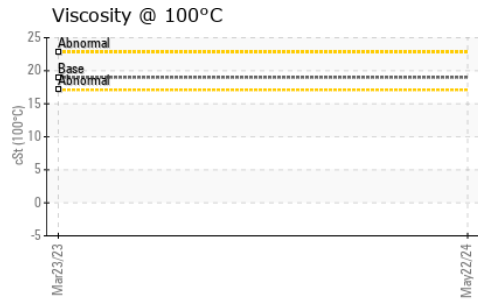
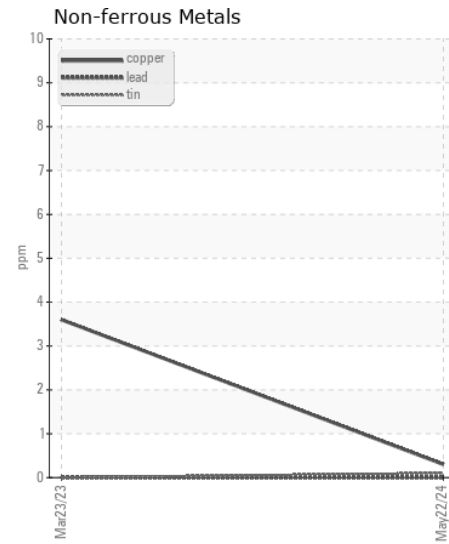
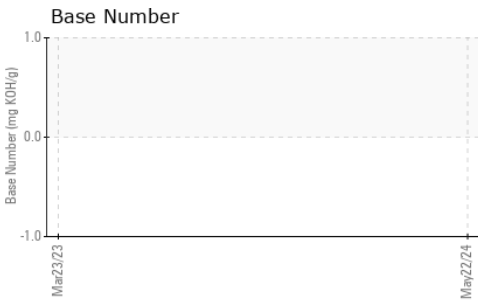
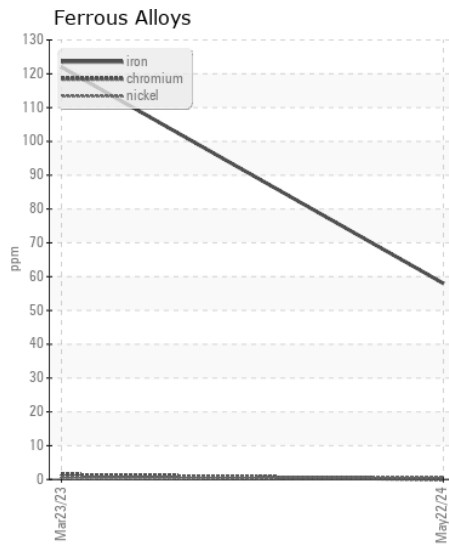
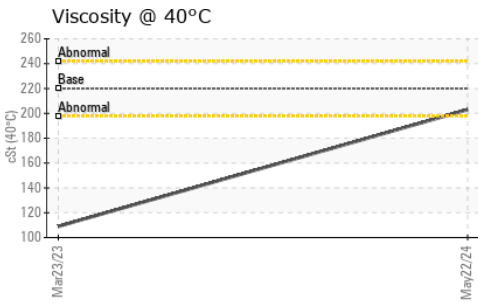
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>25	2	6	---
Potassium	ppm	ASTM D5185m	>20	3	1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	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	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	3	---
Boron	ppm	ASTM D5185m	50	8	167	---
Barium	ppm	ASTM D5185m	15	0	0	---
Molybdenum	ppm	ASTM D5185m	15	0	<1	---
Manganese	ppm	ASTM D5185m		2	2	---
Magnesium	ppm	ASTM D5185m	50	3	9	---
Calcium	ppm	ASTM D5185m	50	25	49	---
Phosphorus	ppm	ASTM D5185m	350	441	1552	---
Zinc	ppm	ASTM D5185m	100	28	135	---
Sulfur	ppm	ASTM D5185m	12500	9848	31468	---
Visc @ 40°C	cSt	ASTM D445	220	203	109	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0935863 **Received** : 28 May 2024
Lab Number : 06193130 **Tested** : 30 May 2024
Unique Number : 11049882 **Diagnosed** : 30 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: FT-IR, KV100, TBN)

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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