



Machine Id
H210-0870
 Component
Front Drum Gearbox
 Fluid
GEAR OIL ISO 220 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

The iron level has decreased, but is still abnormal. All other component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

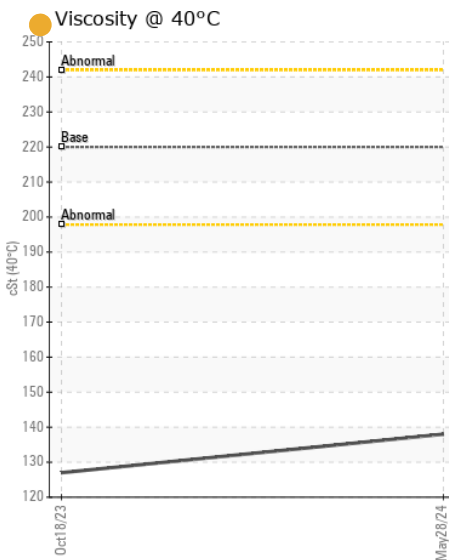
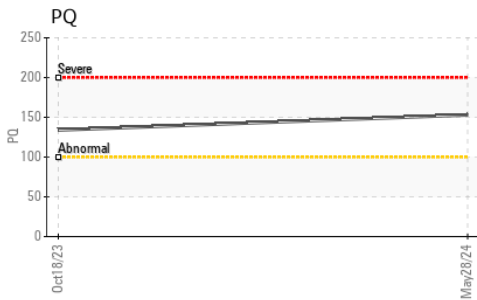
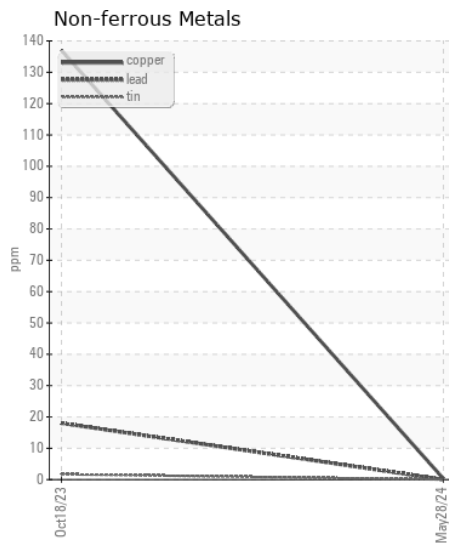
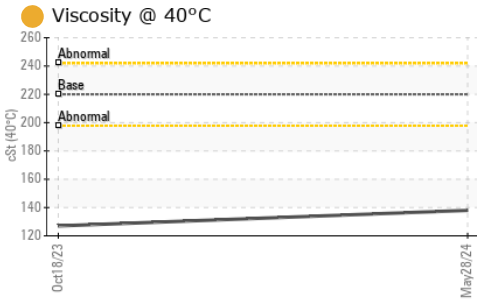
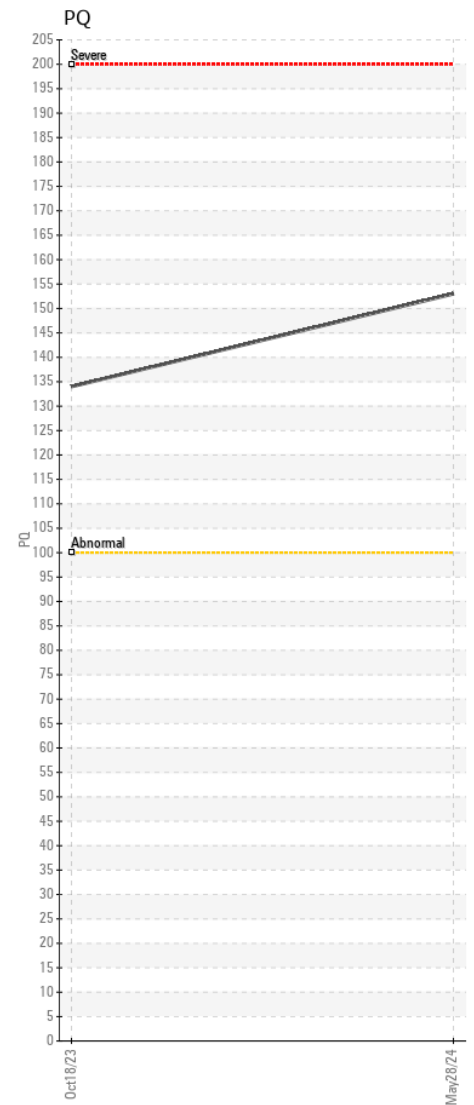
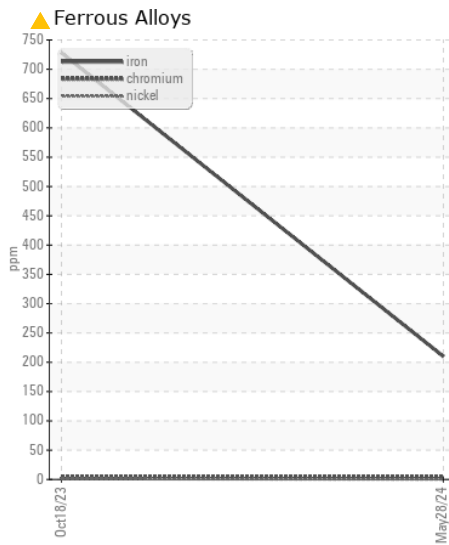
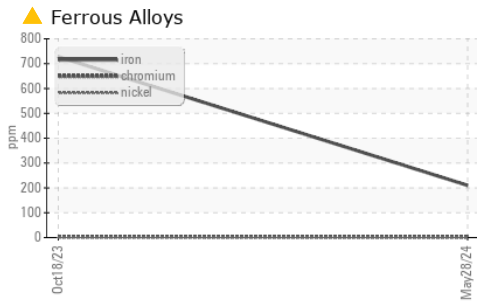
The oil viscosity is lower than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0215638	JR0188033	---
Sample Date		Client Info		28 May 2024	18 Oct 2023	---
Machine Age	hrs	Client Info		2131	2131	---
Oil Age	hrs	Client Info		2131	2131	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		153	134	---
Iron	ppm	ASTM D5185m	>200	▲ 210	▲ 728	---
Chromium	ppm	ASTM D5185m	>10	4	4	---
Nickel	ppm	ASTM D5185m	>10	0	<1	---
Titanium	ppm	ASTM D5185m		0	7	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m		<1	8	---
Lead	ppm	ASTM D5185m		0	18	---
Copper	ppm	ASTM D5185m		<1	137	---
Tin	ppm	ASTM D5185m		0	2	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

Silicon	ppm	ASTM D5185m		9	41	---
Potassium	ppm	ASTM D5185m	>20	10	5	---
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	---

Sodium	ppm	ASTM D5185m		4	11	---
Boron	ppm	ASTM D5185m	50	3	19	---
Barium	ppm	ASTM D5185m	15	29	10	---
Molybdenum	ppm	ASTM D5185m	15	<1	2	---
Manganese	ppm	ASTM D5185m		4	8	---
Magnesium	ppm	ASTM D5185m	50	13	4	---
Calcium	ppm	ASTM D5185m	50	14	58	---
Phosphorus	ppm	ASTM D5185m	350	284	1217	---
Zinc	ppm	ASTM D5185m	100	1	545	---
Sulfur	ppm	ASTM D5185m	12500	18446	25426	---
Visc @ 40°C	cSt	ASTM D445	220	● 138	● 127	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0215638 **Received** : 29 May 2024
Lab Number : 06194271 **Tested** : 30 May 2024
Unique Number : 11056394 **Diagnosed** : 31 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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