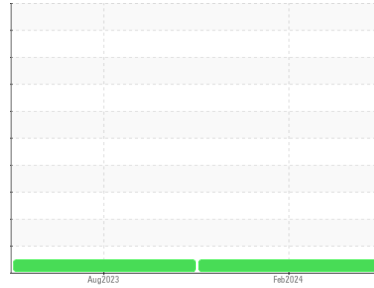




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**KUBOTA R540 WL0462**  
 Component  
**Rear Differential**  
 Fluid  
**KUBOTA 80W90 (--- GAL)**

## DIAGNOSIS

### 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.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>GFL0107458</b>	GFL0082098	---
Sample Date	Client Info			<b>20 Feb 2024</b>	17 Aug 2023	---
Machine Age	hrs	Client Info		<b>2455</b>	1547	---
Oil Age	hrs	Client Info		<b>800</b>	0	---
Oil Changed	Client Info			<b>Changed</b>	Not Changd	---
Sample Status				<b>NORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>.2	<b>NEG</b>	NEG	---

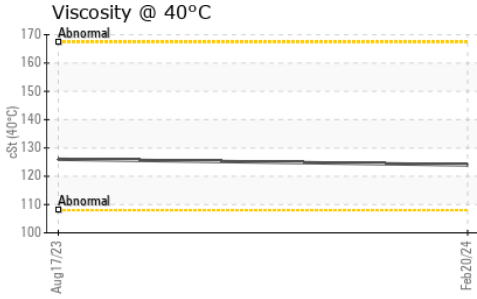
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	<b>57</b>	70	---
Chromium	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Silver	ppm	ASTM D5185(m)		<b>2</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	<1	---
Lead	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	0	---
Copper	ppm	ASTM D5185(m)	>100	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)	>5	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Beryllium	ppm	ASTM D5185(m)		<b>0</b>	0	---
Cadmium	ppm	ASTM D5185(m)		<b>0</b>	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		<b>158</b>	185	---
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	<1	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	---
Magnesium	ppm	ASTM D5185(m)		<b>2</b>	1	---
Calcium	ppm	ASTM D5185(m)		<b>110</b>	118	---
Phosphorus	ppm	ASTM D5185(m)		<b>914</b>	969	---
Zinc	ppm	ASTM D5185(m)		<b>193</b>	210	---
Sulfur	ppm	ASTM D5185(m)		<b>16791</b>	16255	---
Lithium	ppm	ASTM D5185(m)		<b>1</b>	1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	<b>10</b>	11	---
Sodium	ppm	ASTM D5185(m)		<b>3</b>	3	---
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	<1	---



# OIL ANALYSIS REPORT



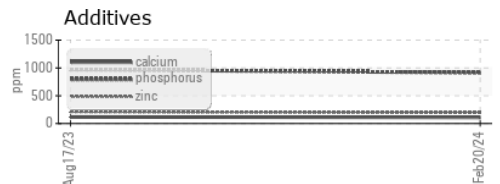
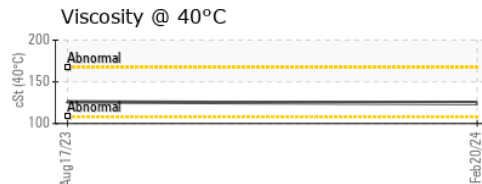
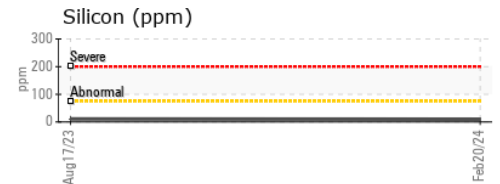
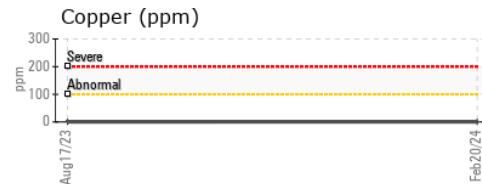
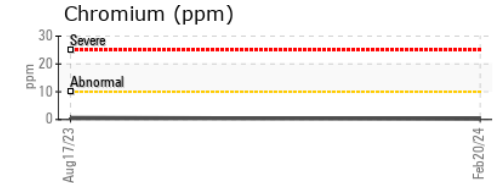
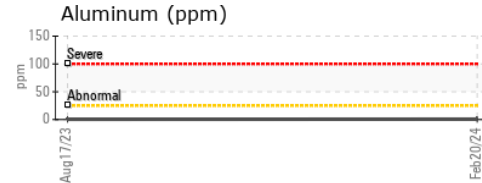
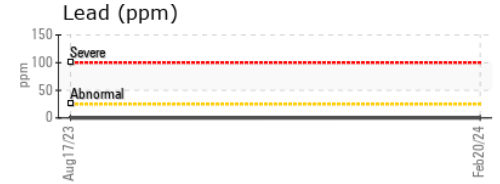
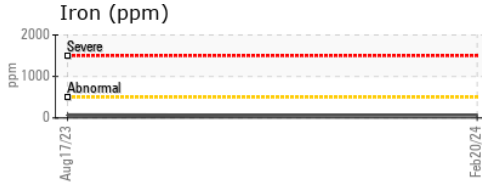
PROPERTY	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	VLITE	---
Debris	scalar	Visual*	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>.2	NEG	---
Free Water	scalar	Visual*		NEG	---

PROPERTY	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	<b>124</b>	126	---

PROPERTY	method	limit/base	current	history1	history2
----------	--------	------------	---------	----------	----------

PROPERTY	method	limit/base	current	history1	history2
Color					no image
Bottom					no image

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0107458 **Received** : 13 Mar 2024  
**Lab Number** : **02621819** **Tested** : 13 Mar 2024  
**Unique Number** : 5746938 **Diagnosed** : 13 Mar 2024 - Wes Davis  
**Test Package** : MOB 1

**GFL Environmental - 527**  
 740 Pine Street South  
 Timmins, ON  
 CA P4N 8S9  
 Contact: Martin St-Pierre  
 martinstpierre@gflenv.com  
 T: (705)264-8700  
 F: (705)264-8701

To discuss this sample report, contact Customer Service at 1-800-268-2131.  
 Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.  
 Validity of results and interpretation are based on the sample and information as supplied.