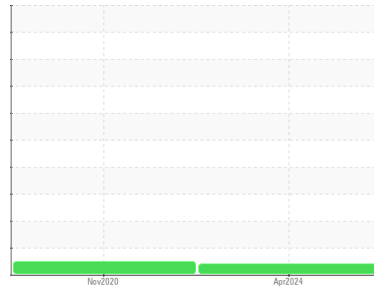




# OIL ANALYSIS REPORT

## Sample Rating Trend



## VISCOSITY



Machine Id  
**T001275 (S/N 17-M-10-2093)**  
 Component  
**Right Final Drive**  
 Fluid  
**GEAR OIL SAE 75W140 (--- GAL)**

### DIAGNOSIS

#### ▲ Recommendation

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

#### ▲ Fluid Condition

Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>WC0910010</b>	WC0507108	---
Sample Date	Client Info			<b>08 Apr 2024</b>	16 Nov 2020	---
Machine Age	hrs	Client Info		<b>7355</b>	3230	---
Oil Age	hrs	Client Info		<b>0</b>	0	---
Oil Changed	Client Info			<b>N/A</b>	Not Changd	---
Sample Status				<b>ABNORMAL</b>	NORMAL	---

CONTAMINATION		method	limit/base	current	history1	history2
Water	WC Method		>0.2	<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184*		<b>78</b>	---	---
Iron	ppm	ASTM D5185(m)	>500	<b>137</b>	445	---
Chromium	ppm	ASTM D5185(m)	>10	<b>2</b>	6	---
Nickel	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	1	---
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Silver	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	<b>14</b>	2	---
Lead	ppm	ASTM D5185(m)	>25	<b>0</b>	<1	---
Copper	ppm	ASTM D5185(m)	>50	<b>&lt;1</b>	<1	---
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	---
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	---

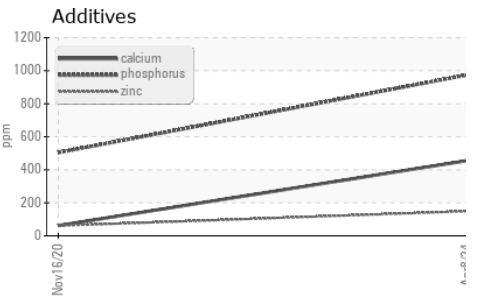
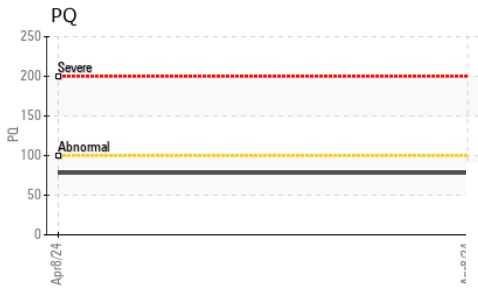
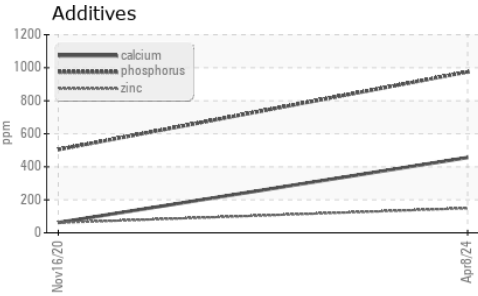
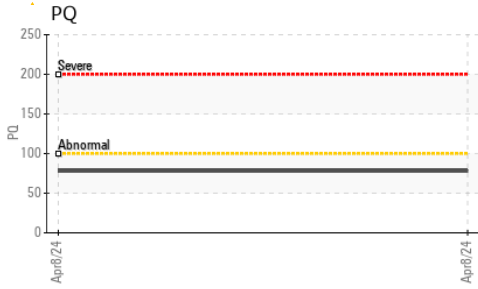
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	400	<b>176</b>	32	---
Barium	ppm	ASTM D5185(m)	200	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	12	<b>0</b>	1	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	3	---
Magnesium	ppm	ASTM D5185(m)	12	<b>5</b>	1	---
Calcium	ppm	ASTM D5185(m)	150	<b>456</b>	62	---
Phosphorus	ppm	ASTM D5185(m)	1650	<b>975</b>	504	---
Zinc	ppm	ASTM D5185(m)	125	<b>149</b>	61	---
Sulfur	ppm	ASTM D5185(m)	22500	<b>4838</b>	15851	---
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>75	<b>60</b>	9	---
Sodium	ppm	ASTM D5185(m)		<b>4</b>	<1	---
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	1	---

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D974*	2.00	<b>2.50</b>	1.14	---



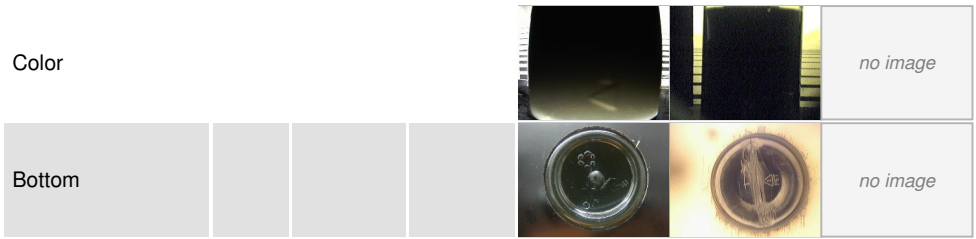
# OIL ANALYSIS REPORT



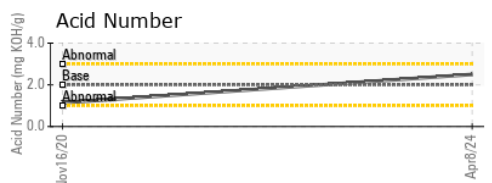
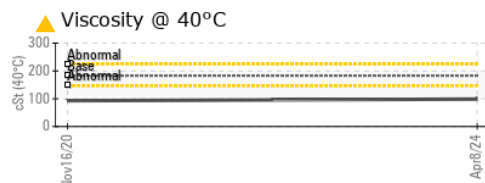
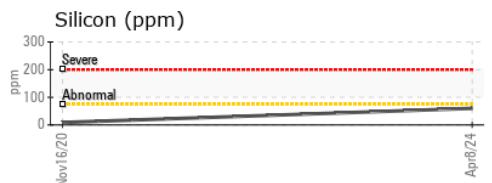
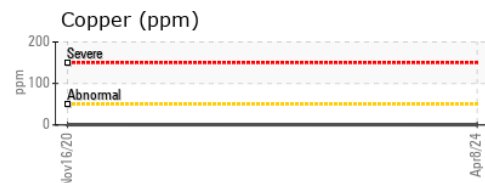
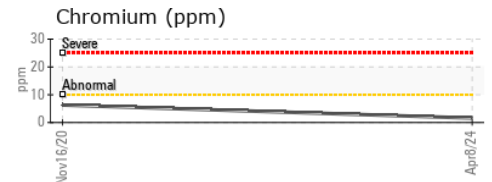
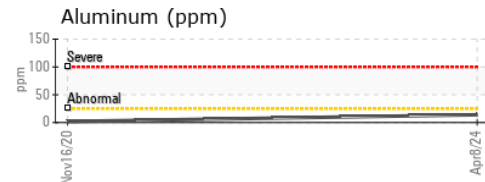
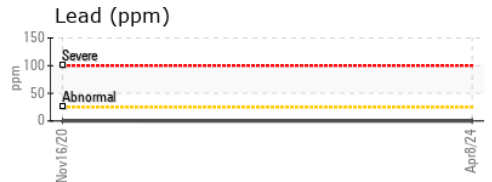
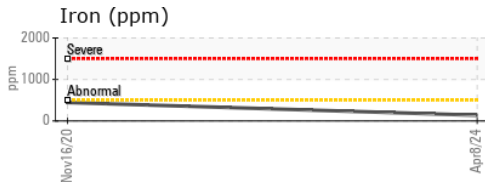
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	183 ▲ 98.8	92.9	---

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : WC0910010      **Received** : 10 Apr 2024  
**Lab Number** : 02627942      **Tested** : 11 Apr 2024  
**Unique Number** : 5761074      **Diagnosed** : 12 Apr 2024 - Kevin Marson  
**Test Package** : MOB 2 ( Additional Tests: PQ, TAN Man )

**RWF Industries**  
 873 Devonshire Ave.  
 Woodstock, ON  
 CA N4S 8Z4  
 Contact: Tami Arnold  
 tamia@rwfbron.com

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.

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 F: (519)421-0028