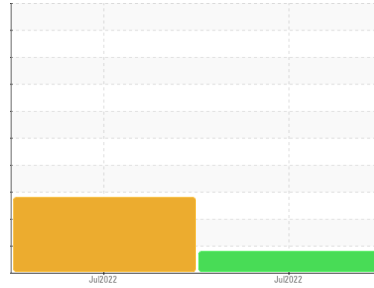




# OIL ANALYSIS REPORT

Sample Rating Trend



**WEAR**



Machine Id  
**092686**

Component  
**Right Gearbox**

Fluid  
**GEAR OIL SAE 80W90 (--- GAL)**

## DIAGNOSIS

### ▲ Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

### ▲ Wear

Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The oil is no longer serviceable as a result of the abnormal and/or severe wear.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>WC0713536</b>	WC0713537	---
Sample Date	Client Info		<b>21 Jul 2022</b>	21 Jul 2022	---
Machine Age	hrs	Client Info	<b>2153</b>	2153	---
Oil Age	hrs	Client Info	<b>653</b>	653	---
Oil Changed	Client Info		<b>Changed</b>	Changed	---
Sample Status			<b>ABNORMAL</b>	ABNORMAL	---

## WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184*		<b>19</b>	▲ 265	---
Iron	ppm	ASTM D5185(m) >200	▲ <b>609</b>	▲ 414	---
Chromium	ppm	ASTM D5185(m) >10	<b>6</b>	7	---
Nickel	ppm	ASTM D5185(m)	<b>2</b>	1	---
Titanium	ppm	ASTM D5185(m)	<b>2</b>	3	---
Silver	ppm	ASTM D5185(m)	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m) >25	<b>29</b>	30	---
Lead	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185(m) >200	<b>2</b>	2	---
Tin	ppm	ASTM D5185(m) >10	<b>0</b>	<1	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	0	---
Vanadium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---
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>2</b>	2	---
Barium	ppm	ASTM D5185(m) 200	<b>&lt;1</b>	<1	---
Molybdenum	ppm	ASTM D5185(m) 12	<b>&lt;1</b>	0	---
Manganese	ppm	ASTM D5185(m)	<b>7</b>	7	---
Magnesium	ppm	ASTM D5185(m) 12	<b>17</b>	20	---
Calcium	ppm	ASTM D5185(m) 150	<b>61</b>	63	---
Phosphorus	ppm	ASTM D5185(m) 1650	<b>1880</b>	2024	---
Zinc	ppm	ASTM D5185(m) 125	<b>19</b>	19	---
Sulfur	ppm	ASTM D5185(m) 22500	<b>20369</b>	20811	---
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	---

## CONTAMINANTS

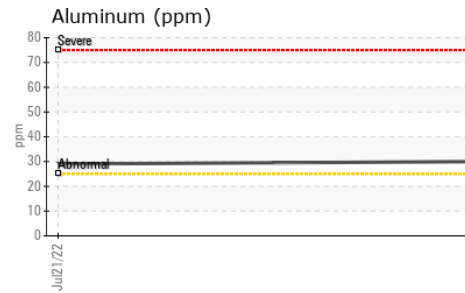
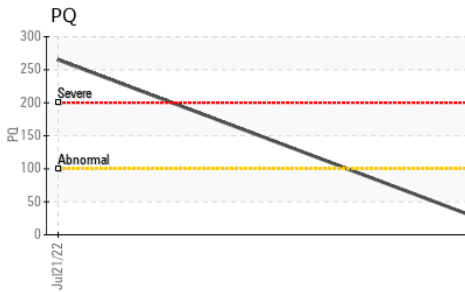
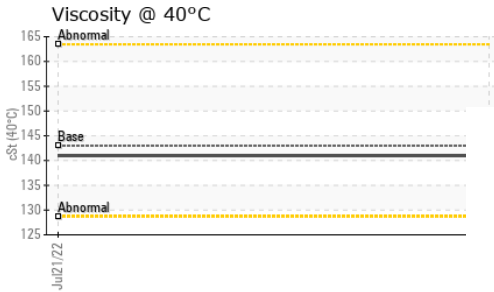
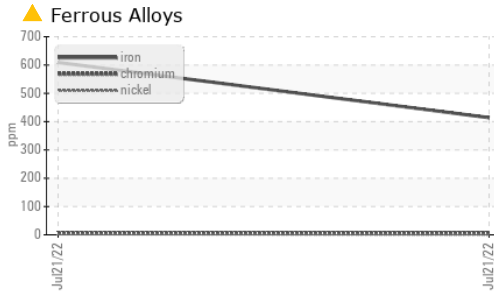
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >50	<b>109</b>	117	---
Sodium	ppm	ASTM D5185(m) >170	<b>11</b>	11	---
Potassium	ppm	ASTM D5185(m) >20	<b>8</b>	8	---

## VISUAL

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



# OIL ANALYSIS REPORT



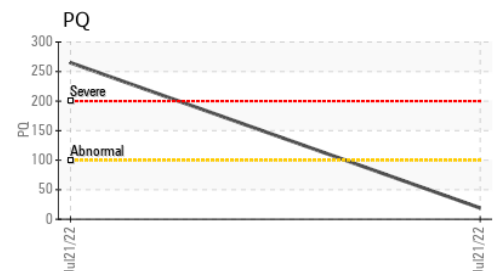
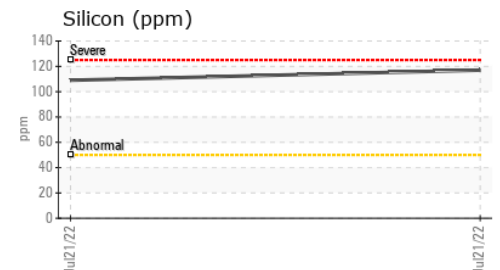
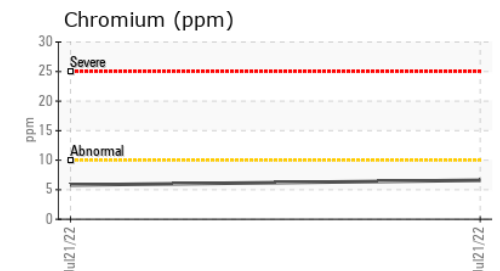
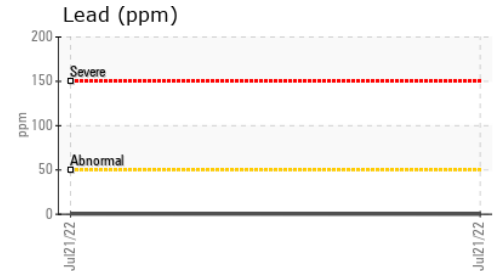
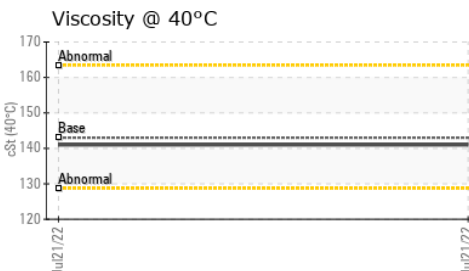
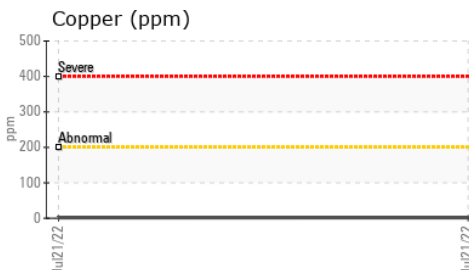
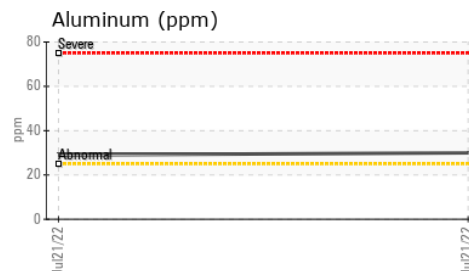
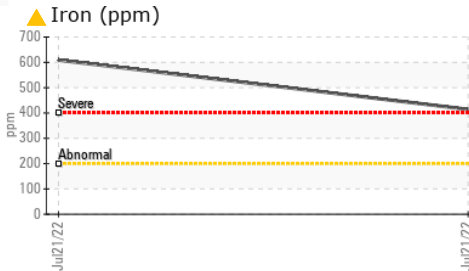
## FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D7279(m)	143	141	---

## SAMPLE IMAGES

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.** : WC0713536 **Received** : 26 Jul 2022  
**Lab Number** : 02501970 **Diagnosed** : 26 Jul 2022  
**Unique Number** : 5434931 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 1 ( Additional Tests: PQ )

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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