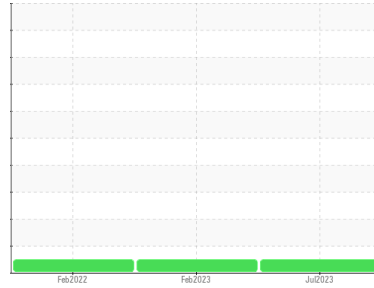




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**901103**  
 Component  
**Transmission (Auto)**  
 Fluid  
**ALLISON TES 295 (--- 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 fluid.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0063663</b>	GFL0063595	GFL0039143
Sample Date	Client Info		<b>18 Jul 2023</b>	08 Feb 2023	20 Feb 2022
Machine Age	hrs	Client Info	<b>1990</b>	883	3945
Oil Age	hrs	Client Info	<b>600</b>	600	1200
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >160	<b>101</b>	79	179
Chromium	ppm	ASTM D5185(m) >5	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185(m) >5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m) >5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >50	<b>23</b>	18	37
Lead	ppm	ASTM D5185(m) >50	<b>5</b>	4	9
Copper	ppm	ASTM D5185(m) >225	<b>17</b>	13	25
Tin	ppm	ASTM D5185(m) >10	<b>1</b>	1	3
Antimony	ppm	ASTM D5185(m)	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 150	<b>71</b>	78	96
Barium	ppm	ASTM D5185(m) 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	0	0
Manganese	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185(m) 0	<b>1</b>	<1	0
Calcium	ppm	ASTM D5185(m) 40	<b>100</b>	108	41
Phosphorus	ppm	ASTM D5185(m) 320	<b>244</b>	251	274
Zinc	ppm	ASTM D5185(m) 5	<b>4</b>	3	3
Sulfur	ppm	ASTM D5185(m) 1050	<b>1184</b>	1220	453
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

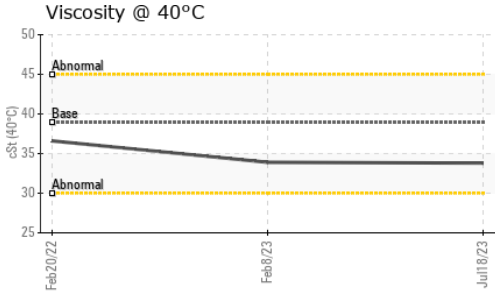
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >20	<b>7</b>	6	6
Sodium	ppm	ASTM D5185(m)	<b>4</b>	3	3
Potassium	ppm	ASTM D5185(m) >20	<b>2</b>	<1	2

## VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	Visual* NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	Visual* NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	Visual* NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	Visual* NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	Visual* NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	Visual* NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	Visual* NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	Visual* NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	Visual* >0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	Visual*	<b>NEG</b>	NEG	NEG

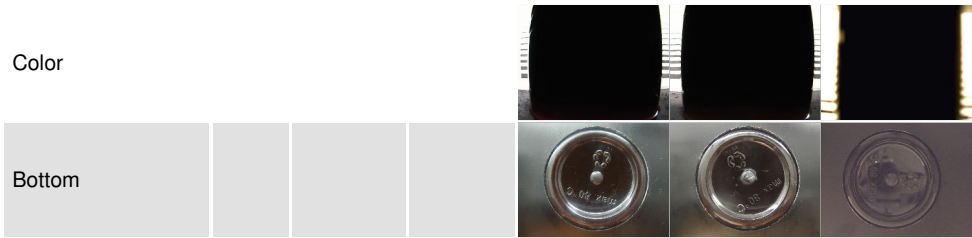


# OIL ANALYSIS REPORT

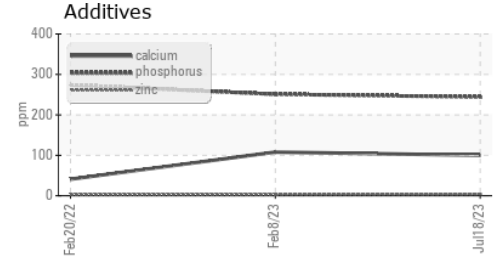
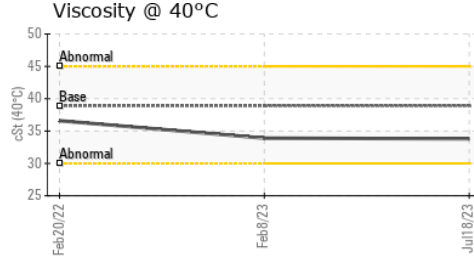
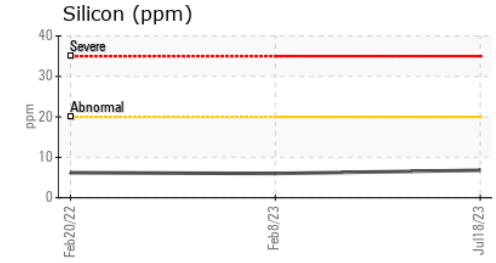
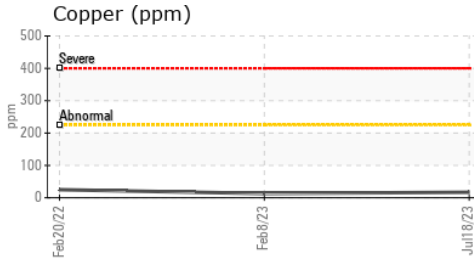
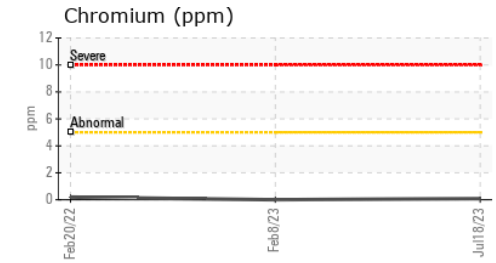
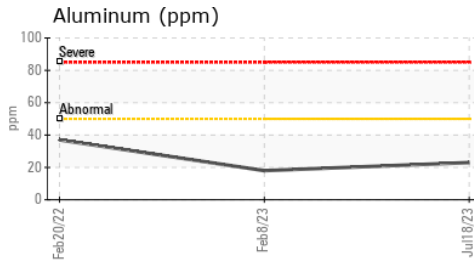
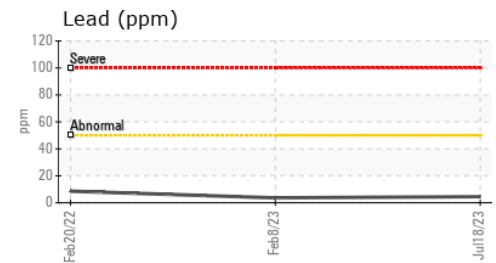
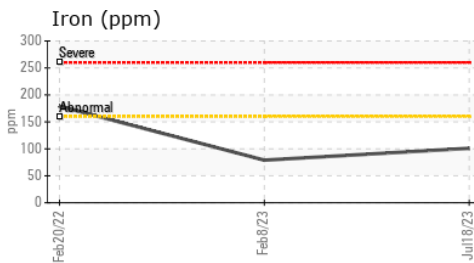


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	<b>33.8</b>	33.9	36.6

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



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 574 - Vancouver Fleet  
**Sample No.** : GFL0063663 **Received** : 02 Aug 2023 70 Golden Drive,  
**Lab Number** : 02573768 **Diagnosed** : 02 Aug 2023 Coquitlam, BC  
**Unique Number** : 5618819 **Diagnostician** : Wes Davis CA V3K 6B5  
**Test Package** : MOB 1 Contact: Allison Adams  
aadams@gflenv.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: