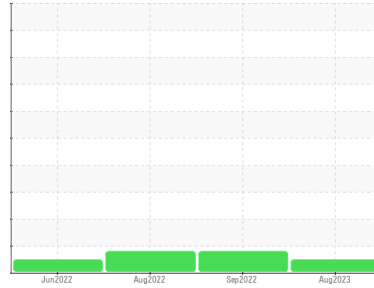




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**801129**  
 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>GFL0084061</b>	GFL0039159	GFL0039244
Sample Date	Client Info	<b>02 Aug 2023</b>	21 Sep 2022	30 Aug 2022
Machine Age	hrs	<b>17469</b>	15420	15287
Oil Age	hrs	<b>600</b>	600	1200
Oil Changed	Client Info	<b>Changed</b>	Changed	Changed
Sample Status		<b>NORMAL</b>	MARGINAL	MARGINAL

## WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m) >160	<b>14</b>	81	91
Chromium	ppm	ASTM D5185(m) >5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m) >5	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m) >5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >50	<b>8</b>	▲ 51	▲ 50
Lead	ppm	ASTM D5185(m) >50	<b>&lt;1</b>	10	11
Copper	ppm	ASTM D5185(m) >225	<b>3</b>	17	18
Tin	ppm	ASTM D5185(m) >10	<b>&lt;1</b>	2	2
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>65</b>	82	73
Barium	ppm	ASTM D5185(m) 0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185(m)	<b>&lt;1</b>	1	2
Magnesium	ppm	ASTM D5185(m) 0	<b>3</b>	<1	<1
Calcium	ppm	ASTM D5185(m) 40	<b>121</b>	46	30
Phosphorus	ppm	ASTM D5185(m) 320	<b>222</b>	272	272
Zinc	ppm	ASTM D5185(m) 5	<b>13</b>	12	12
Sulfur	ppm	ASTM D5185(m) 1050	<b>1363</b>	427	233
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

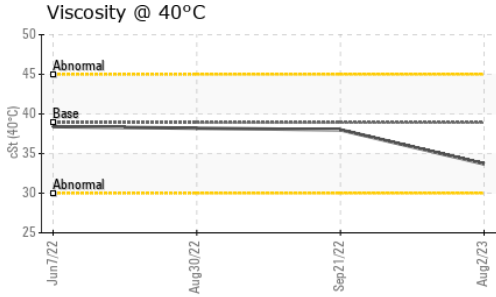
method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >20	<b>4</b>	13	13
Sodium	ppm	ASTM D5185(m)	<b>4</b>	17	15
Potassium	ppm	ASTM D5185(m) >20	<b>1</b>	8	7

## 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

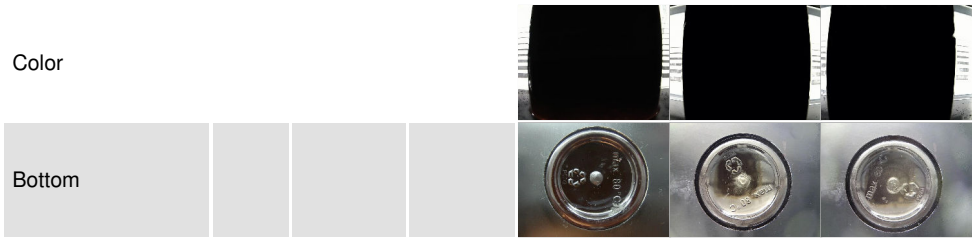


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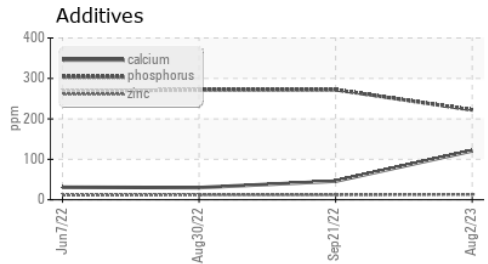
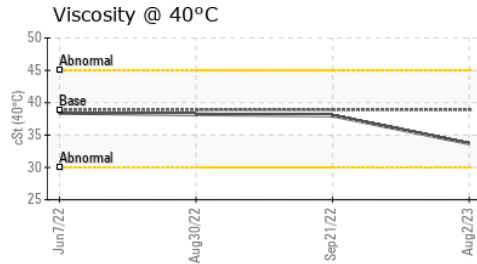
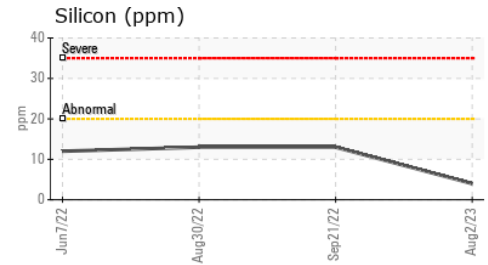
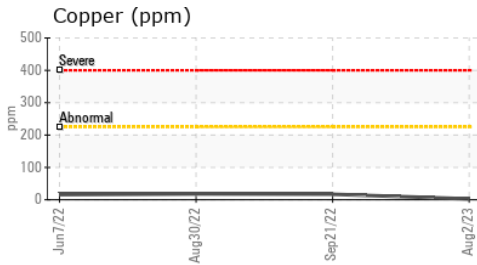
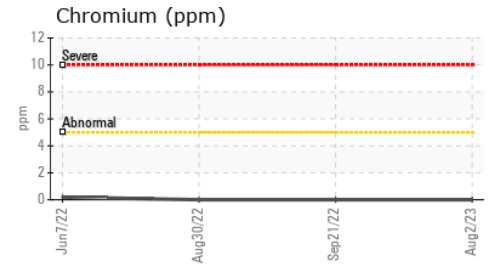
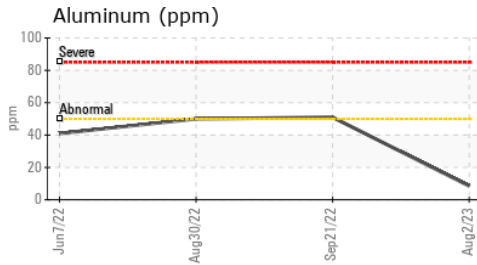
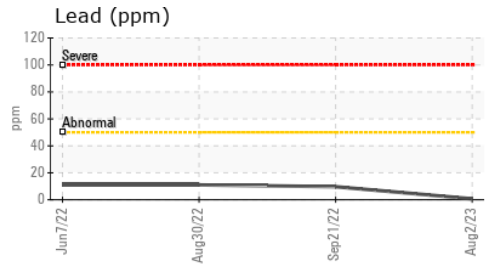
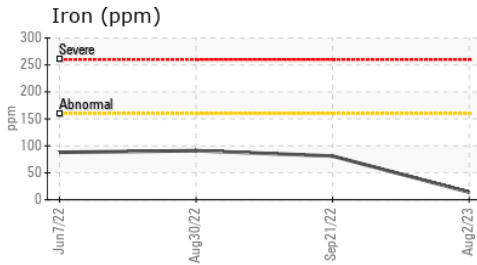


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	38.9	<b>33.7</b>	38.0	38.2

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 - 573 - Vancouver Hauling  
**Sample No.** : GFL0084061 **Received** : 08 Sep 2023 70 Golden Drive,  
**Lab Number** : 02581191 **Diagnosed** : 08 Sep 2023 Coquitlam, BC  
**Unique Number** : 5642256 **Diagnostician** : Wes Davis CA V3K 6B5  
**Test Package** : MOB 1 Contact: Catia Klagenberg Alves  
cklagenbergalves@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.