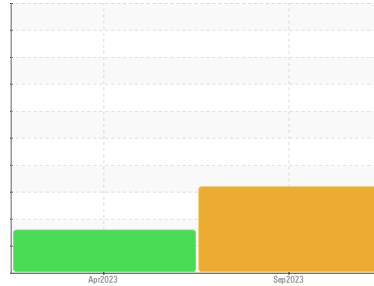




# OIL ANALYSIS REPORT

Sample Rating Trend

DIRT



Machine Id  
**711028**  
Component  
**Transmission (Auto)**  
Fluid  
**ALLISON TES 295 (--- GAL)**

## DIAGNOSIS

### Recommendation

Nous vous recommandons de vérifier tous les endroits par lesquels de la saleté peut pénétrer dans le système. Nous vous recommandons de vidanger le fluide de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

### Wear

Usure des engrenages. Usure de disque d'embrayage et (ou) du système de refroidissement.

### Contamination

Concentration modérée de saleté dans le fluide. Une grande quantité de saleté a provoqué une usure abrasive du composant.

### Fluid Condition

le fluide n'est plus en état de service en raison d'une usure anormale et/ou sévère.

## SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>GFL0088863</b>	GFL0073392	---
Sample Date	Client Info	<b>27 Sep 2023</b>	27 Apr 2023	---
Machine Age	hrs	<b>0</b>	3956	---
Oil Age	hrs	<b>0</b>	1200	---
Oil Changed	Client Info	<b>Not Chngd</b>	Changed	---
Sample Status		<b>ABNORMAL</b>	ABNORMAL	---

## WEAR METALS

method	limit/base	current	history1	history2	
PQ	ASTM D8184*	>75	<b>86</b>	---	
Iron	ppm	ASTM D5185(m)	>220	<b>▲ 315</b>	172
Chromium	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0
Silver	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0
Aluminum	ppm	ASTM D5185(m)	>75	<b>50</b>	<b>▲ 79</b>
Lead	ppm	ASTM D5185(m)	>95	<b>20</b>	51
Copper	ppm	ASTM D5185(m)	>60	<b>▲ 66</b>	<b>▲ 95</b>
Tin	ppm	ASTM D5185(m)	>10	<b>5</b>	9
Antimony	ppm	ASTM D5185(m)	>2	<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)	150	<b>78</b>	88
Barium	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>0</b>	<1
Manganese	ppm	ASTM D5185(m)		<b>2</b>	2
Magnesium	ppm	ASTM D5185(m)	0	<b>1</b>	<1
Calcium	ppm	ASTM D5185(m)	40	<b>135</b>	128
Phosphorus	ppm	ASTM D5185(m)	320	<b>247</b>	287
Zinc	ppm	ASTM D5185(m)	5	<b>7</b>	6
Sulfur	ppm	ASTM D5185(m)	1050	<b>1644</b>	1649
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1

## CONTAMINANTS

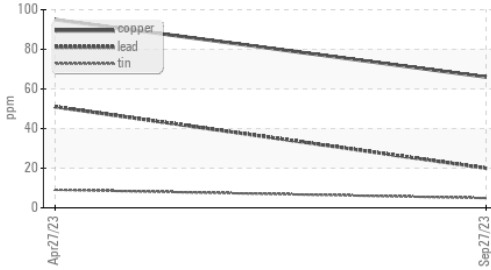
method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	<b>▲ 56</b>	16
Sodium	ppm	ASTM D5185(m)		<b>6</b>	7
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2

## VISUAL

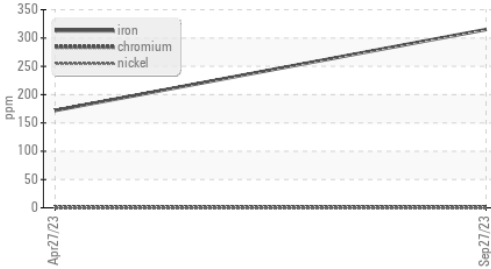
method	limit/base	current	history1	history2	
White Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE
Yellow Metal	scalar	Visual*	NONE	<b>NONE</b>	NONE
Precipitate	scalar	Visual*	NONE	<b>NONE</b>	NONE
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE
Sand/Dirt	scalar	Visual*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

# OIL ANALYSIS REPORT

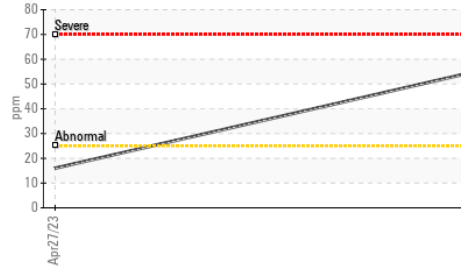
### ▲ Non-ferrous Metals



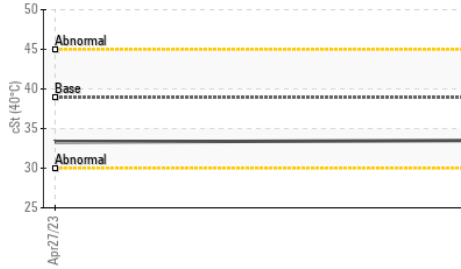
### ▲ Ferrous Alloys



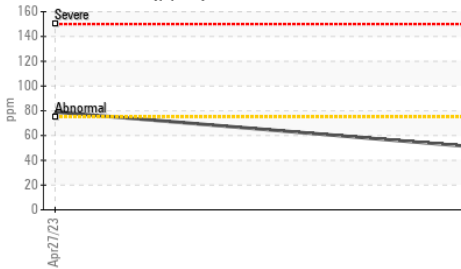
### ▲ Silicon (ppm)



### Viscosity @ 40°C



### Aluminum (ppm)



### FLUID PROPERTIES

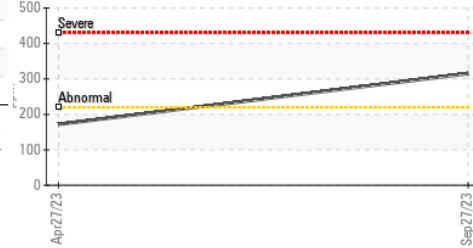
method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D7279(m)	38.9	33.5	33.3

### SAMPLE IMAGES

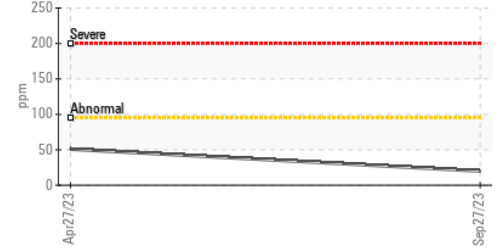
method	limit/base	current	history1	history2
Color				no image
Bottom				no image

### GRAPHS

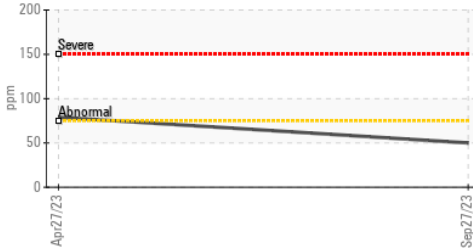
#### ▲ Iron (ppm)



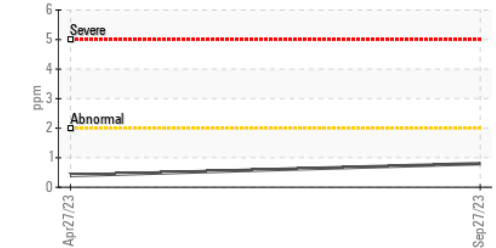
#### ▲ Lead (ppm)



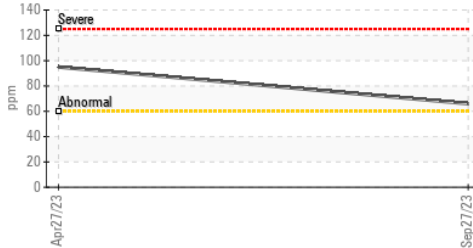
#### ▲ Aluminum (ppm)



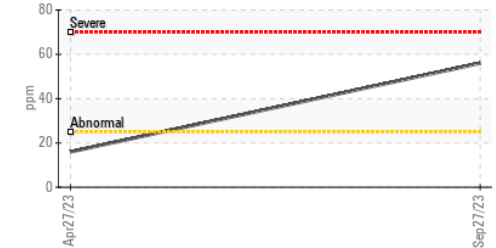
#### ▲ Chromium (ppm)



#### ▲ Copper (ppm)



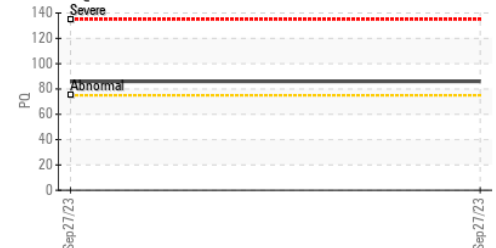
#### ▲ Silicon (ppm)



#### Viscosity @ 40°C



#### PQ



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste  
**Sample No.** : GFL0088863 **Received** : 03 Nov 2023  
**Lab Number** : 02593957 **Diagnosed** : 03 Nov 2023  
**Unique Number** : 5671036 **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.

4365 boul. St-Elzear Ouest,  
 Laval, QC  
 CA H7P 4J3  
 Contact: Pieces Laval  
 pieces.laval@gflenv.com  
 T: (450)687-3838  
 F: