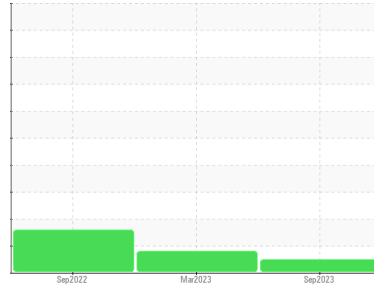




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**711018**  
 Component  
**Transmission (Auto)**  
 Fluid  
**PETRO CANADA DURADRIIVE HD SYNTHETIC ATF (--- GAL)**

## DIAGNOSIS

### Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

### Wear

Les taux d'usure de tous les composants sont normaux.

### Contamination

Il n'y a aucun indice de contamination dans le fluide.

### Fluid Condition

L'état de le fluide est acceptable pour la durée de service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0088831</b>	GFL0047503	GFL0034593
Sample Date	Client Info		<b>07 Sep 2023</b>	21 Mar 2023	27 Sep 2022
Machine Age	hrs	Client Info	<b>0</b>	3600	1200
Oil Age	hrs	Client Info	<b>0</b>	1200	1200
Oil Changed	Client Info		<b>Not Chngd</b>	N/A	N/A
Sample Status			<b>NORMAL</b>	ABNORMAL	ABNORMAL

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>220	<b>104</b>	160	158
Chromium	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Silver	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>75	<b>30</b>	47	41
Lead	ppm	ASTM D5185(m)	>95	<b>48</b>	▲ 101	▲ 109
Copper	ppm	ASTM D5185(m)	>60	<b>56</b>	86	88
Tin	ppm	ASTM D5185(m)	>10	<b>4</b>	7	▲ 6
Antimony	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	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)		<b>89</b>	122	137
Barium	ppm	ASTM D5185(m)		<b>1</b>	3	4
Molybdenum	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185(m)		<b>2</b>	3	4
Magnesium	ppm	ASTM D5185(m)		<b>1</b>	<1	<1
Calcium	ppm	ASTM D5185(m)		<b>114</b>	100	96
Phosphorus	ppm	ASTM D5185(m)		<b>302</b>	366	399
Zinc	ppm	ASTM D5185(m)		<b>8</b>	9	10
Sulfur	ppm	ASTM D5185(m)		<b>1572</b>	1551	1608
Lithium	ppm	ASTM D5185(m)		<b>1</b>	2	3

## CONTAMINANTS

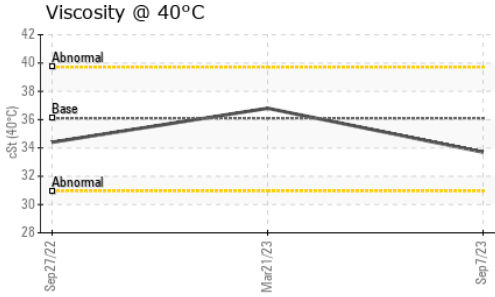
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	<b>7</b>	8	7
Sodium	ppm	ASTM D5185(m)		<b>6</b>	10	12
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	4	5

## 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

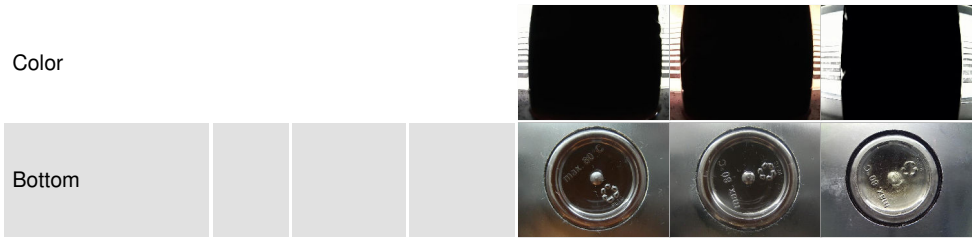


# OIL ANALYSIS REPORT

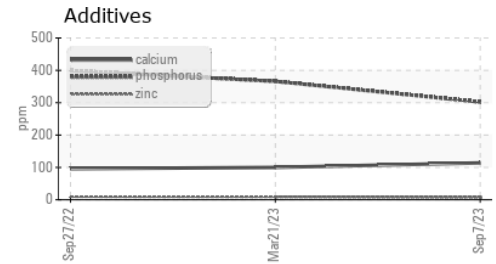
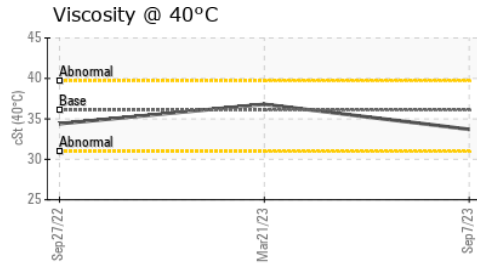
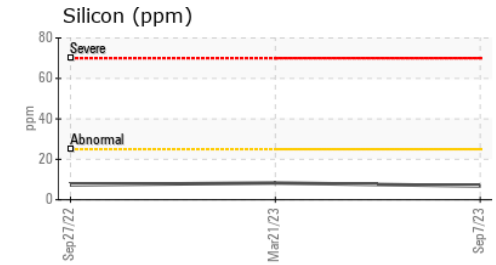
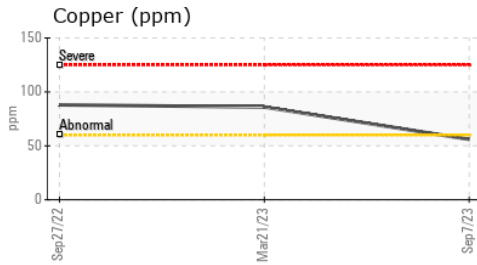
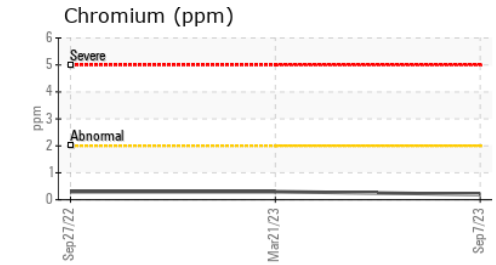
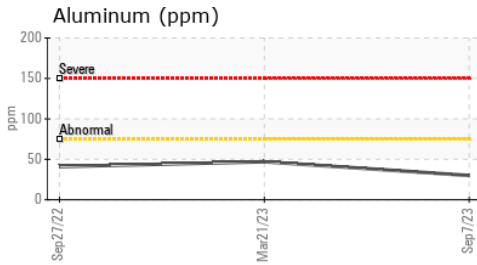
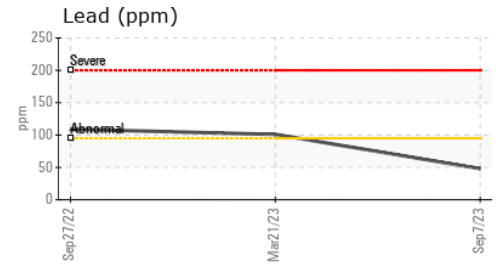
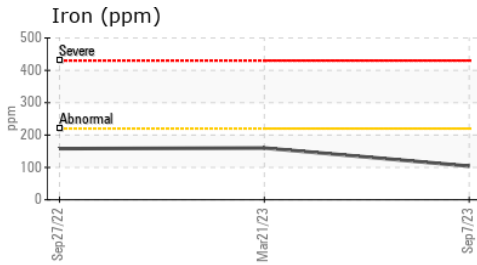


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	36.1	33.7	36.8	34.4

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 - 780 - GMA - ICI - Solid Waste  
**Sample No.** : GFL0088831 **Received** : 12 Sep 2023 4365 boul. St-Elzear Ouest,  
**Lab Number** : 02581867 **Diagnosed** : 12 Sep 2023 Laval, QC  
**Unique Number** : 5642932 **Diagnostician** : Wes Davis CA H7P 4J3  
**Test Package** : MOB 1

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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