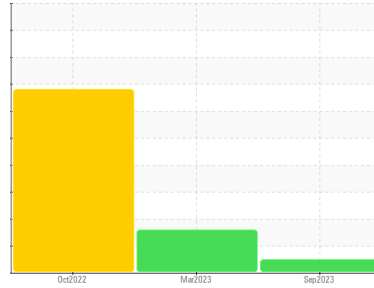




# OIL ANALYSIS REPORT

## Sample Rating Trend

**NORMAL**



Machine Id  
**711021**  
Component  
**Transmission (Auto)**  
Fluid  
**PETRO CANADA DURADRIVE 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>GFL0088883</b>	GFL0073368	GFL0062093
Sample Date	Client Info		<b>22 Sep 2023</b>	23 Mar 2023	04 Oct 2022
Machine Age	hrs	Client Info	<b>84012</b>	3647	2522
Oil Age	hrs	Client Info	<b>0</b>	1200	2500
Oil Changed	Client Info		<b>Not Changed</b>	Changed	N/A
Sample Status			<b>NORMAL</b>	ABNORMAL	SEVERE

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>230	<b>53</b>	112	150
Chromium	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>65	<b>21</b>	54	52
Lead	ppm	ASTM D5185(m)	>55	<b>23</b>	▲ 86	● 103
Copper	ppm	ASTM D5185(m)	>85	<b>38</b>	94	107
Tin	ppm	ASTM D5185(m)	>5	<b>3</b>	▲ 9	▲ 7
Antimony	ppm	ASTM D5185(m)		<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>82</b>	123	131
Barium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Molybdenum	ppm	ASTM D5185(m)		<b>0</b>	<1	1
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	2	3
Magnesium	ppm	ASTM D5185(m)		<b>2</b>	<1	<1
Calcium	ppm	ASTM D5185(m)		<b>123</b>	104	93
Phosphorus	ppm	ASTM D5185(m)		<b>249</b>	365	393
Zinc	ppm	ASTM D5185(m)		<b>6</b>	7	8
Sulfur	ppm	ASTM D5185(m)		<b>1521</b>	1572	1551
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	1

## CONTAMINANTS

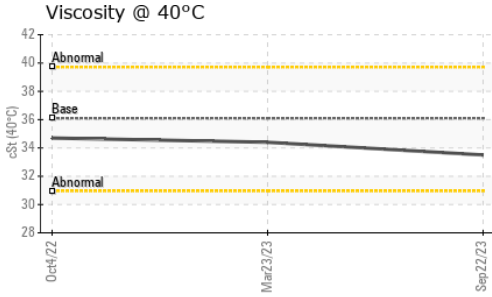
	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>20	<b>5</b>	7	7
Sodium	ppm	ASTM D5185(m)		<b>4</b>	10	11
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	3	4

## 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

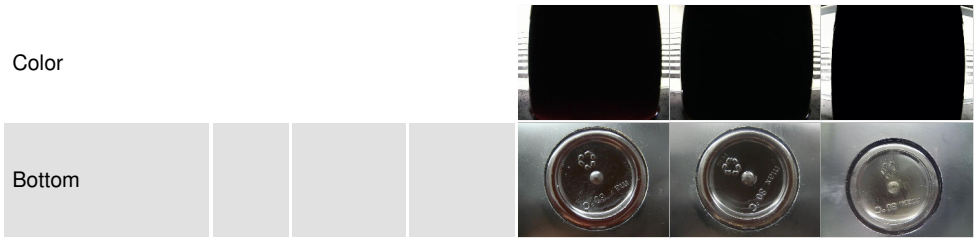


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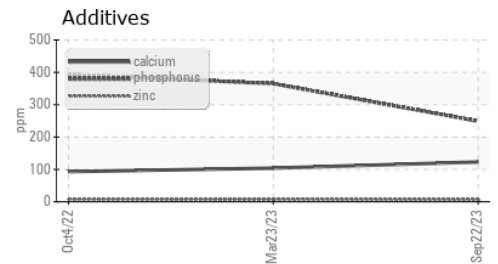
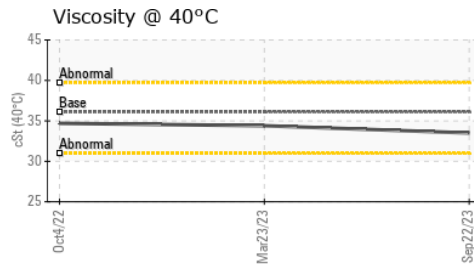
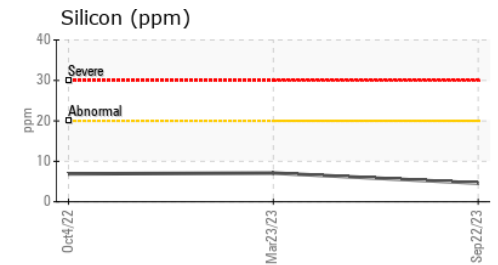
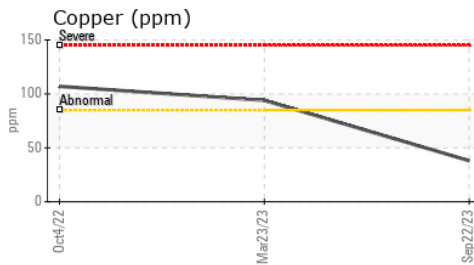
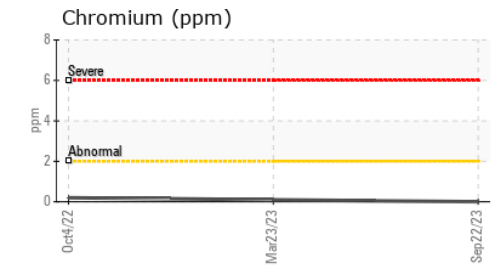
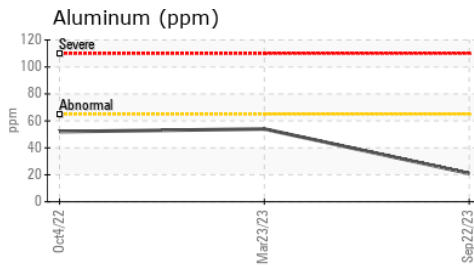
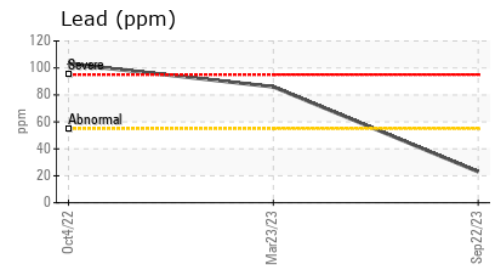
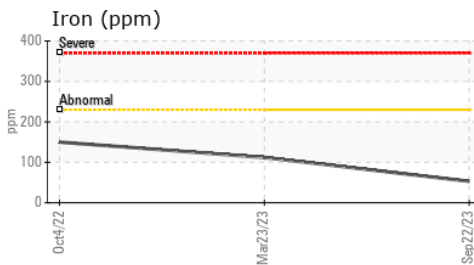


FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	36.1	<b>33.5</b>	34.4	34.7

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.** : GFL0088883 **Received** : 26 Sep 2023 4365 boul. St-Elzear Ouest, Laval, QC CA H7P 4J3  
**Lab Number** : 02585263 **Diagnosed** : 26 Sep 2023 Contact: Pieces Laval pieces.laval@gflenv.com  
**Unique Number** : 5646328 **Diagnostician** : Wes Davis T: (450)687-3838  
**Test Package** : MOB 1 F:

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.