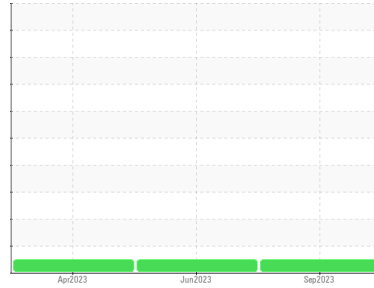




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**913139**  
 Component  
**Diesel Engine**  
 Fluid  
**PETRO CANADA DURON SAE 10W30 (--- GAL)**

## DIAGNOSIS

### Recommendation

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

### Wear

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

### Contamination

Il n'y a aucun indice de contamination dans l'huile.

### Fluid Condition

L'état de l'huile est acceptable pour la durée de service.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0088897</b>	GFL0047519	GFL0073454
Sample Date	Client Info		<b>18 Sep 2023</b>	12 Jun 2023	21 Apr 2023
Machine Age	kms	Client Info	<b>36621</b>	22673	14881
Oil Age	kms	Client Info	<b>0</b>	600	0
Oil Changed	Client Info		<b>Changed</b>	Changed	Changed
Sample Status			<b>NORMAL</b>	NORMAL	NORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>3.0	<b>&lt;1.0</b>	<1.0	<1.0
Glycol	WC Method		<b>NEG</b>	NEG	0.0

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>120	<b>17</b>	16	43
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185(m)	>5	<b>2</b>	3	17
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	1
Aluminum	ppm	ASTM D5185(m)	>20	<b>1</b>	2	6
Lead	ppm	ASTM D5185(m)	>40	<b>4</b>	<1	4
Copper	ppm	ASTM D5185(m)	>330	<b>134</b>	27	152
Tin	ppm	ASTM D5185(m)	>15	<b>1</b>	2	4
Antimony	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
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)	1	<b>3</b>	15	215
Barium	ppm	ASTM D5185(m)	1	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	1	<b>60</b>	63	105
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	1	5
Magnesium	ppm	ASTM D5185(m)	10	<b>949</b>	932	668
Calcium	ppm	ASTM D5185(m)	2942	<b>1111</b>	1162	1396
Phosphorus	ppm	ASTM D5185(m)	1102	<b>977</b>	1053	715
Zinc	ppm	ASTM D5185(m)	1351	<b>1175</b>	1197	766
Sulfur	ppm	ASTM D5185(m)	3903	<b>2388</b>	2518	1914
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1

## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>25	<b>4</b>	9	62
Sodium	ppm	ASTM D5185(m)		<b>9</b>	2	3
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	<1	5

## INFRA-RED

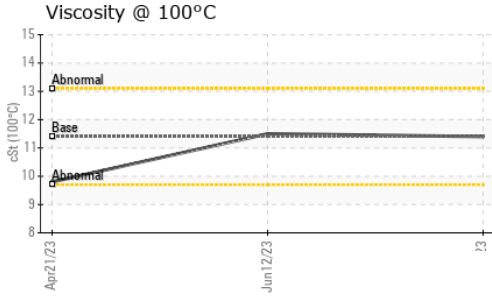
	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>4	<b>0.4</b>	0.2	0.4
Nitration	Abs/cm	ASTM D7624*	>20	<b>7.8</b>	7.1	9.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.8</b>	19.8	24.5

## FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>15.0</b>	15.5	21.7



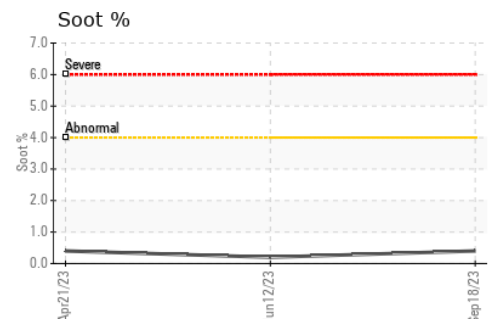
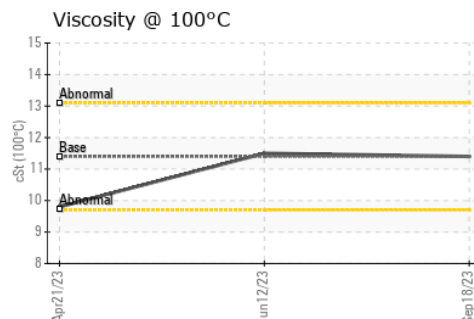
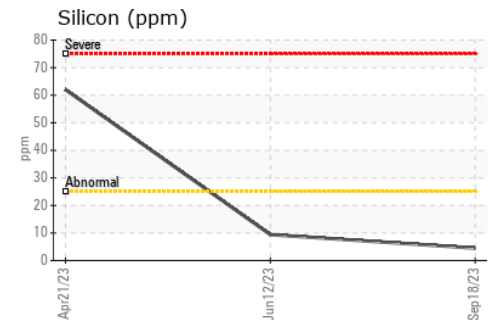
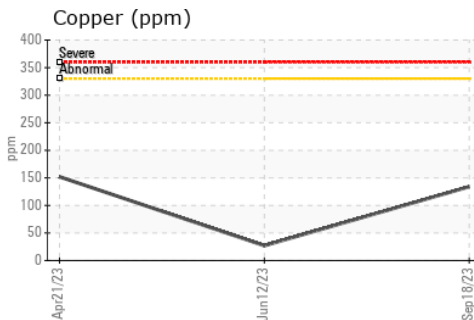
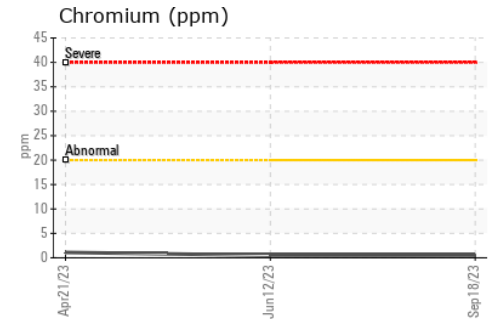
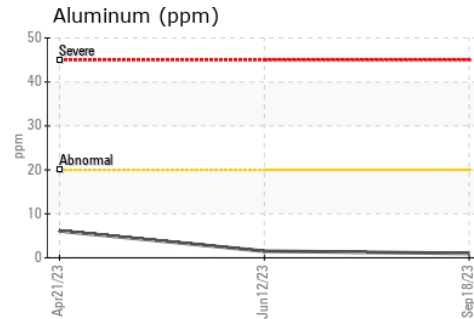
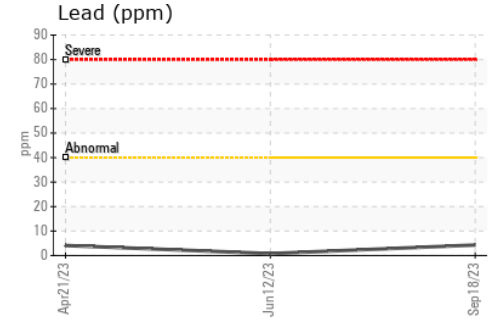
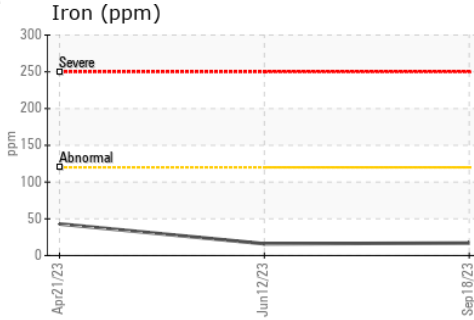
# OIL ANALYSIS REPORT



VISUAL	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG
Free Water	scalar	Visual*		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	11.5	9.8

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste  
**Sample No.** : GFL0088897 **Received** : 12 Oct 2023 4365 boul. St-Elzear Ouest, Laval, QC  
**Lab Number** : 02588571 **Diagnosed** : 12 Oct 2023 CA H7P 4J3  
**Unique Number** : 5657637 **Diagnostician** : Wes Davis  
**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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