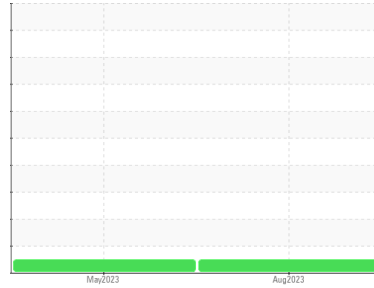




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**713067**

Component  
**Diesel Engine**

Fluid  
**DIESEL ENGINE OIL SAE 10W30 (--- 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 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>GFL0084454</b>	GFL0073412	---
Sample Date	Client Info	<b>22 Aug 2023</b>	16 May 2023	---
Machine Age	hrs	Client Info	<b>1640</b>	11449
Oil Age	hrs	Client Info	<b>600</b>	0
Oil Changed	Client Info	<b>Changed</b>	Changed	---
Sample Status		<b>NORMAL</b>	NORMAL	---

## CONTAMINATION

method	limit/base	current	history1	history2
Fuel	WC Method	>5	<b>&lt;1.0</b>	<1.0
Glycol	WC Method		<b>NEG</b>	NEG

## WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>100	<b>21</b>	27
Chromium	ppm	ASTM D5185(m)	>20	<b>1</b>	1
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1
Silver	ppm	ASTM D5185(m)	>3	<b>&lt;1</b>	<1
Aluminum	ppm	ASTM D5185(m)	>20	<b>2</b>	3
Lead	ppm	ASTM D5185(m)	>40	<b>6</b>	7
Copper	ppm	ASTM D5185(m)	>330	<b>247</b>	295
Tin	ppm	ASTM D5185(m)	>15	<b>&lt;1</b>	1
Antimony	ppm	ASTM D5185(m)		<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)	250	<b>3</b>	7
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	0
Molybdenum	ppm	ASTM D5185(m)	100	<b>61</b>	58
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	2
Magnesium	ppm	ASTM D5185(m)	450	<b>990</b>	903
Calcium	ppm	ASTM D5185(m)	3000	<b>1093</b>	1249
Phosphorus	ppm	ASTM D5185(m)	1150	<b>1003</b>	1019
Zinc	ppm	ASTM D5185(m)	1350	<b>1189</b>	1149
Sulfur	ppm	ASTM D5185(m)	4250	<b>1943</b>	2259
Lithium	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1

## CONTAMINANTS

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

## INFRA-RED

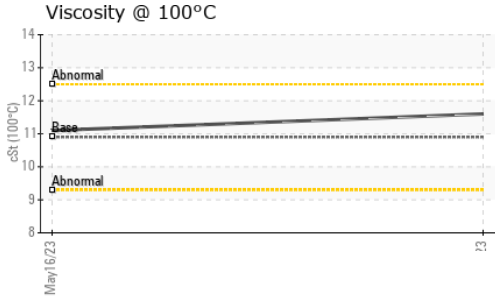
method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>3	<b>0.6</b>	0.5
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.4</b>	7.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>21.8</b>	20.9

## FLUID DEGRADATION

method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>16.2</b>	16.3



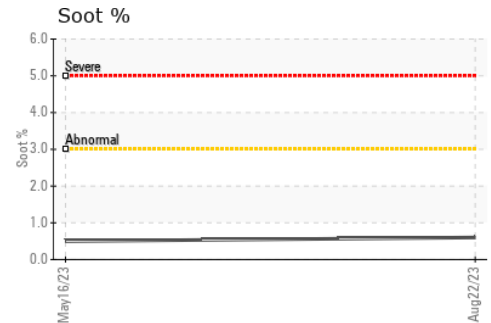
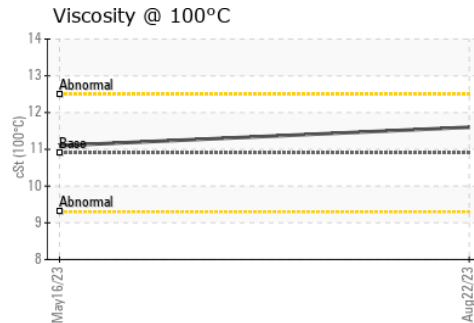
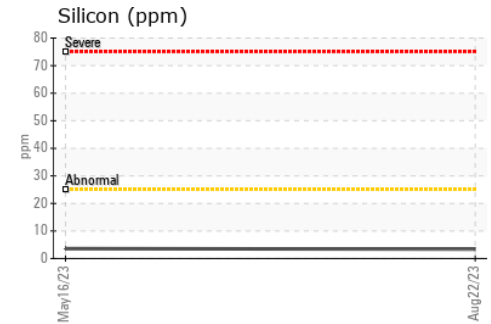
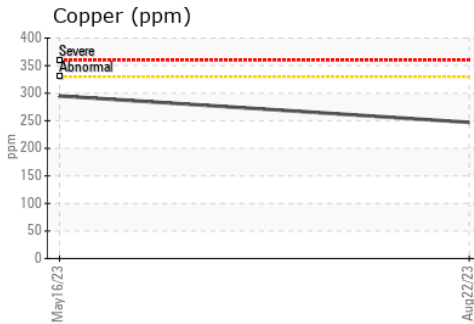
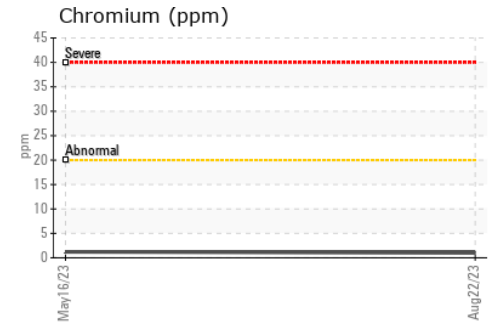
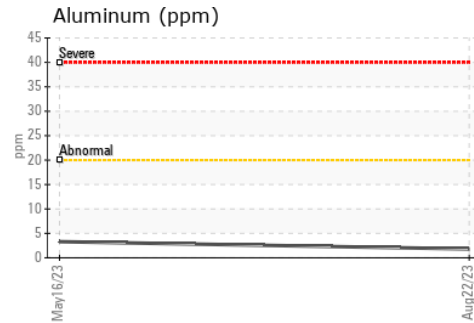
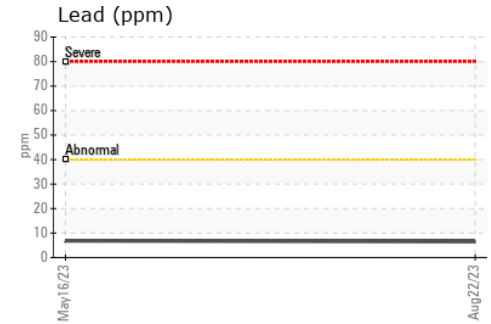
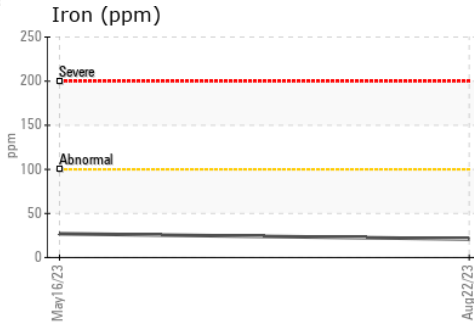
# OIL ANALYSIS REPORT



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)	10.9	11.6	11.1

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 780 - GMA - ICI - Solid Waste  
**Sample No.** : GFL0084454 **Received** : 05 Sep 2023 4365 boul. St-Elzear Ouest, Laval, QC  
**Lab Number** : 02580250 **Diagnosed** : 05 Sep 2023 CA H7P 4J3  
**Unique Number** : 5633310 **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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