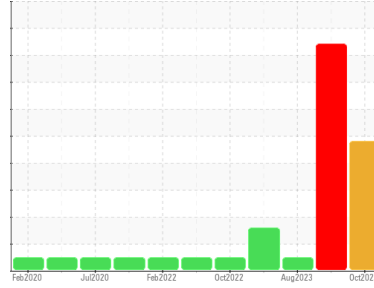


# OIL ANALYSIS REPORT

Sample Rating Trend



**GLYCOL**



Machine Id  
**801225**  
Component  
**Diesel Engine**  
Fluid  
**DIESEL ENGINE OIL SAE 15W40 (--- GAL)**

## DIAGNOSIS

### Recommendation

Nous vous recommandons de vérifier la source de la fuite de fluide de refroidissement. Nous vous recommandons de vidanger l'huile de ce composant si vous ne l'avez pas déjà fait. Nous vous recommandons de rincer complètement le composant avant de le remplir l'huile. Nous vous recommandons d'échantillonner de nouveau dès que possible afin de contrôler la situation.

### Wear

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

### Contamination

Le test de glycol est positif. Concentration modérée de glycol dans l'huile.

### Fluid Condition

l'huile ne peut plus être utilisée en raison de la présence de contaminants.

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PC0078511</b>	PC0078561	PC0071867
Sample Date	Client Info		<b>17 Oct 2023</b>	05 Oct 2023	14 Aug 2023
Machine Age	hrs	Client Info	<b>43676</b>	20872	20611
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	Changed	Changed
Sample Status			<b>ABNORMAL</b>	SEVERE	NORMAL

## CONTAMINATION

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

## WEAR METALS

	method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>75	<b>10</b>	31	49
Chromium	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	4	3
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)	>15	<b>2</b>	8	9
Lead	ppm	ASTM D5185(m)	>25	<b>&lt;1</b>	3	2
Copper	ppm	ASTM D5185(m)	>100	<b>4</b>	17	2
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	0	<1
Antimony	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	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)	250	<b>13</b>	60	6
Barium	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	100	<b>78</b>	171	69
Manganese	ppm	ASTM D5185(m)		<b>0</b>	1	<1
Magnesium	ppm	ASTM D5185(m)	450	<b>884</b>	828	947
Calcium	ppm	ASTM D5185(m)	3000	<b>1049</b>	989	1159
Phosphorus	ppm	ASTM D5185(m)	1150	<b>979</b>	963	1024
Zinc	ppm	ASTM D5185(m)	1350	<b>1138</b>	1101	1182
Sulfur	ppm	ASTM D5185(m)	4250	<b>2525</b>	2378	2436
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>12</b>	34	18
Sodium	ppm	ASTM D5185(m)	>158	<b>▲ 389</b>	▲ 1839	125
Potassium	ppm	ASTM D5185(m)	>20	<b>▲ 32</b>	▲ 170	30
Glycol	%	ASTM D7922*		<b>▲ 0.069</b>	◆ 1.166	0.0

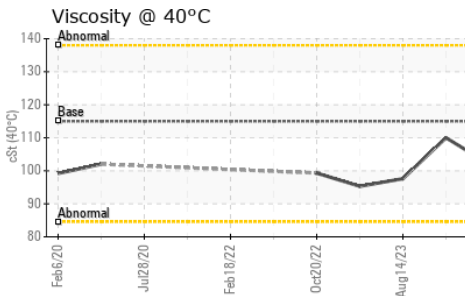
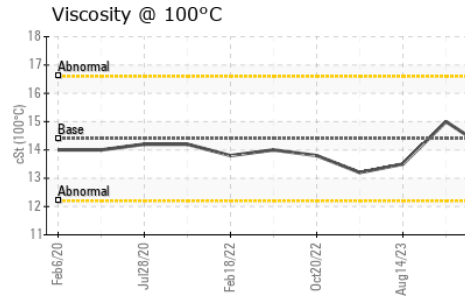
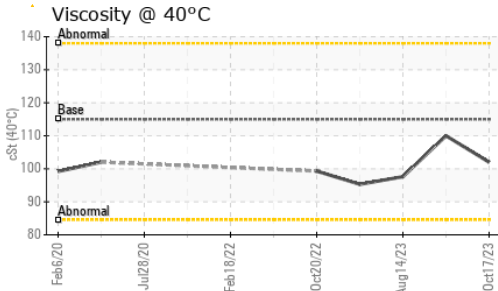
## INFRA-RED

	method	limit/base	current	history1	history2	
Soot %	%	ASTM D7844*	>6	<b>0</b>	0.4	0.7
Nitration	Abs/cm	ASTM D7624*	>20	<b>6.4</b>	14.3	11.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>18.1</b>	20.5	24.6

## FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>12.9</b>	15.2	19.8

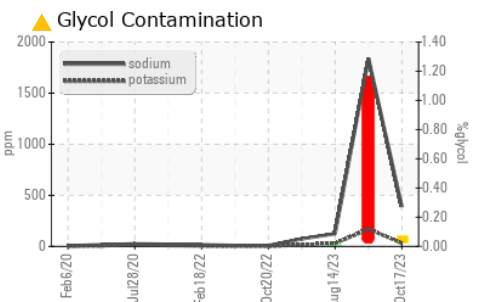
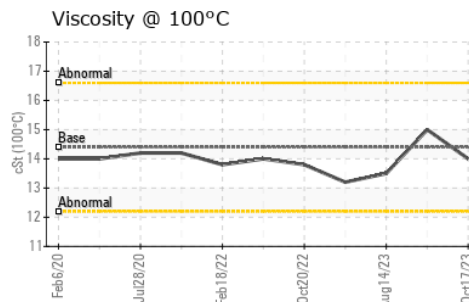
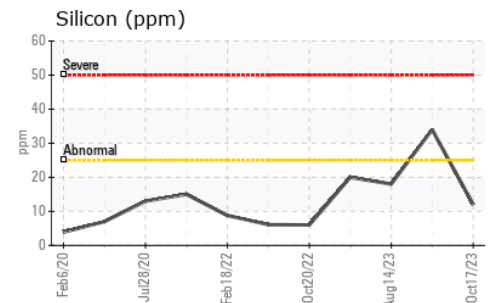
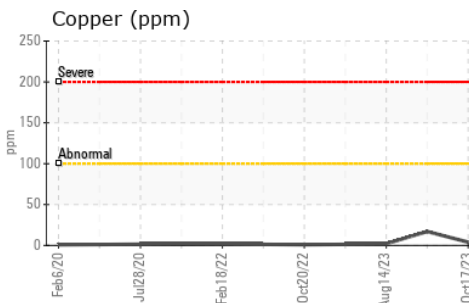
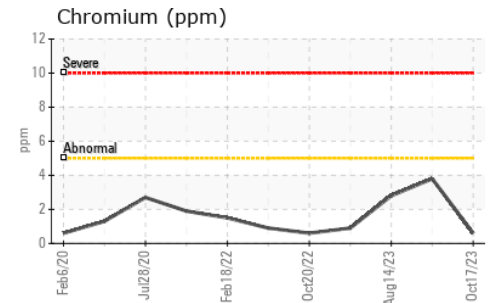
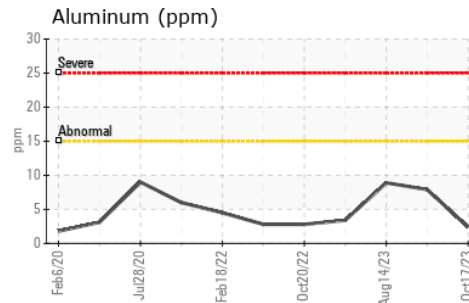
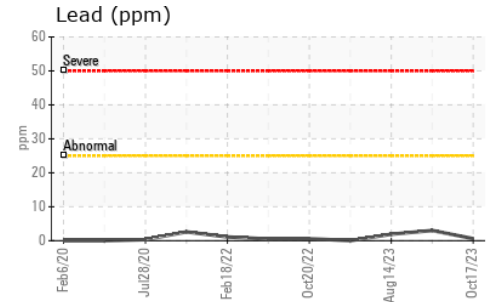
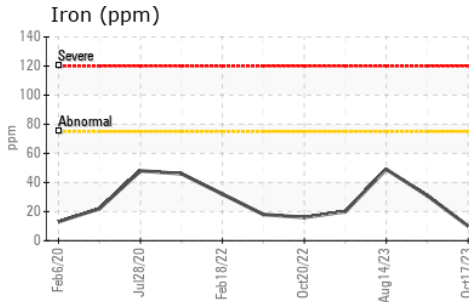
# OIL ANALYSIS REPORT



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 @ 40°C	cSt	ASTM D7279(m)	115	102	110
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	14.0	15.0
Viscosity Index (VI)	Scale	ASTM D2270*	126	139	141

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 737 - Quebec City Hauling  
**Sample No.** : PC0078511 **Received** : 18 Oct 2023  
**Lab Number** : 02589965 **Diagnosed** : 18 Oct 2023  
**Unique Number** : 5659031 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1 ( Additional Tests: KV40, VI )

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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