

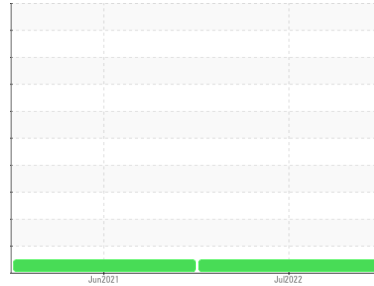


# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**

Area  
**GARNISON MTL [VQ6011]**  
 Machine Id  
**GD12150**  
 Component  
**Diesel Engine**  
 Fluid  
**DIESEL ENGINE OIL SAE 40 (--- GAL)**



## DIAGNOSIS

### Recommendation

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin de surveiller la condition. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon.

### 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>GD0005523</b>	GD0005002	---
Sample Date	Client Info			<b>27 Jul 2022</b>	21 Jun 2021	---
Machine Age	yrs	Client Info		<b>0</b>	0	---
Oil Age	yrs	Client Info		<b>1</b>	1	---
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	---
Water	WC Method	>0.2		<b>NEG</b>	NEG	---
Glycol	WC Method			<b>NEG</b>	NEG	---

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	<b>2</b>	2	---
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	---
Nickel	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	---
Titanium	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	---
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m)	>20	<b>1</b>	1	---
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	<1	---
Copper	ppm	ASTM D5185(m)	>330	<b>&lt;1</b>	<1	---
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>&lt;1</b>	<1	---

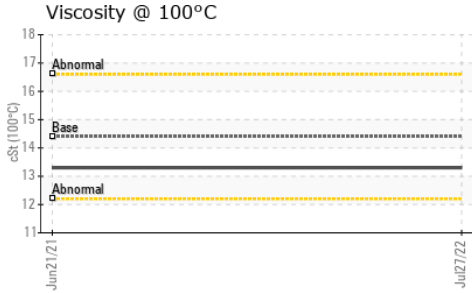
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	<b>&lt;1</b>	<1	---
Barium	ppm	ASTM D5185(m)	10	<b>0</b>	0	---
Molybdenum	ppm	ASTM D5185(m)	100	<b>58</b>	55	---
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	---
Magnesium	ppm	ASTM D5185(m)	450	<b>968</b>	948	---
Calcium	ppm	ASTM D5185(m)	3000	<b>1056</b>	1033	---
Phosphorus	ppm	ASTM D5185(m)	1150	<b>1003</b>	979	---
Zinc	ppm	ASTM D5185(m)	1350	<b>1177</b>	1224	---
Sulfur	ppm	ASTM D5185(m)	4250	<b>2706</b>	2721	---
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>	3	---
Sodium	ppm	ASTM D5185(m)	>216	<b>1</b>	2	---
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	---

INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624*	>20	<b>5.5</b>	5.4	---
Sulfation	Abs./1mm	ASTM D7415*	>30	<b>18.8</b>	19.2	---



# OIL ANALYSIS REPORT



### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	14.8	13.9

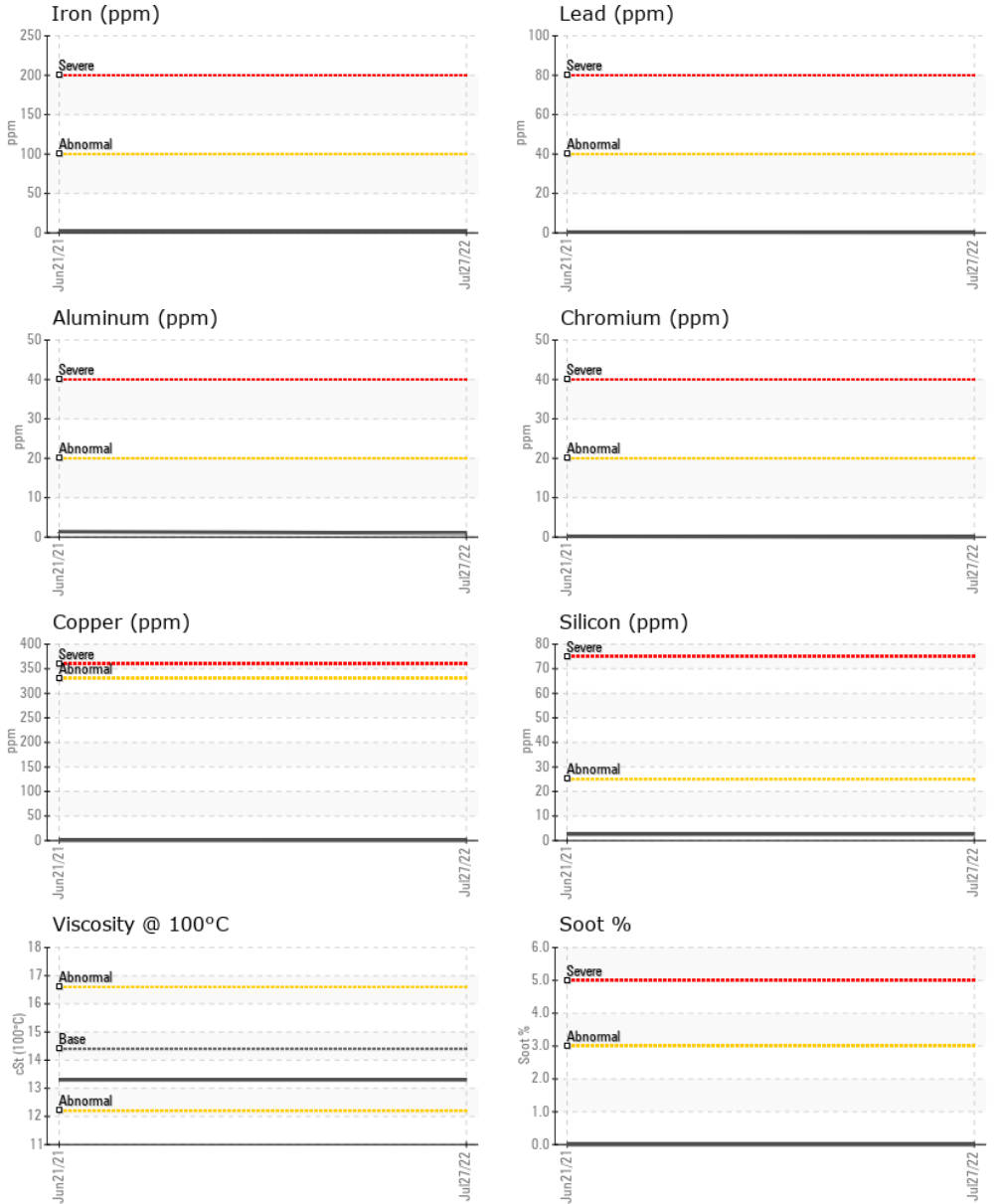
### VISUAL

	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)	14.4	13.3	13.3

### GRAPHS



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GD0005523  
**Lab Number** : 02502318  
**Unique Number** : 5435279  
**Test Package** : MOB 1

**Received** : 28 Jul 2022  
**Tested** : 28 Jul 2022  
**Diagnosed** : 28 Jul 2022 - Wes Davis

**Generatrice Drummond**  
 243 rue des ARTISANS  
 SAINT-GERMAIN-DE-GRANTHAM, QC  
 CA J0C 1K0

Contact: Valerie Poirier  
 poiervalerie@generatricedrummond.com

T: (819)398-6811  
 F: (819)398-7022

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.