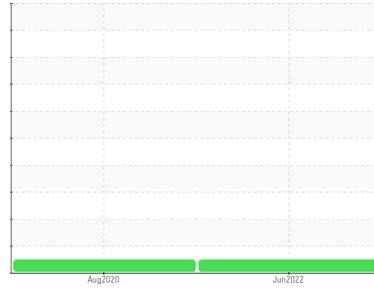




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**[VQ5922]**  
 Machine Id  
**CAT GD12167**  
 Component  
**Diesel Engine**  
 Fluid  
 **DIESEL ENGINE OIL SAE 15W40 (--- 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>GD0005332</b>	GD0002965	---
Sample Date	Client Info		<b>17 Jun 2022</b>	11 Aug 2020	---
Machine Age	hrs	Client Info	<b>205</b>	118	---
Oil Age	hrs	Client Info	<b>0</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	---
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>4</b>	5	---
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>0</b>	<1	---
Silver	ppm	ASTM D5185(m) >3	<b>0</b>	0	---
Aluminum	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	1	---
Lead	ppm	ASTM D5185(m) >40	<b>0</b>	0	---
Copper	ppm	ASTM D5185(m) >330	<b>3</b>	5	---
Tin	ppm	ASTM D5185(m) >15	<b>0</b>	0	---
Antimony	ppm	ASTM D5185(m)	<b>0</b>	<1	---
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>1</b>	7	---
Barium	ppm	ASTM D5185(m) 10	<b>0</b>	<1	---
Molybdenum	ppm	ASTM D5185(m) 100	<b>60</b>	58	---
Manganese	ppm	ASTM D5185(m)	<b>&lt;1</b>	1	---
Magnesium	ppm	ASTM D5185(m) 450	<b>1022</b>	968	---
Calcium	ppm	ASTM D5185(m) 3000	<b>1083</b>	1158	---
Phosphorus	ppm	ASTM D5185(m) 1150	<b>1101</b>	1064	---
Zinc	ppm	ASTM D5185(m) 1350	<b>1242</b>	1231	---
Sulfur	ppm	ASTM D5185(m) 4250	<b>2791</b>	2832	---
Lithium	ppm	ASTM D5185(m)	<b>0</b>	<1	---

## CONTAMINANTS

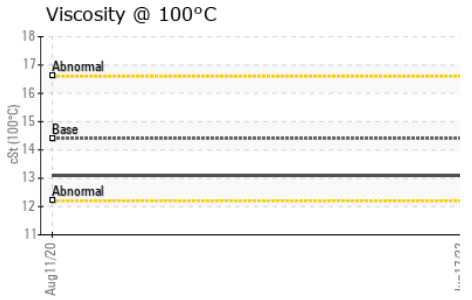
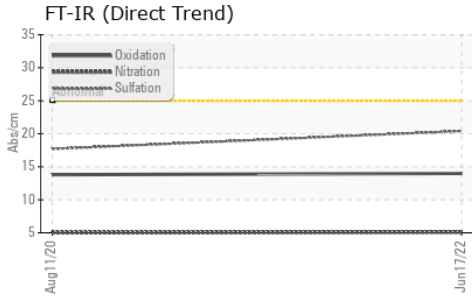
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>3</b>	5	---
Sodium	ppm	ASTM D5185(m) >158	<b>1</b>	2	---
Potassium	ppm	ASTM D5185(m) >20	<b>1</b>	1	---

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	<b>0</b>	0	---
Nitration	Abs/cm	ASTM D7624* >20	<b>5.1</b>	5.0	---
Sulfation	Abs./1mm	ASTM D7415* >30	<b>20.4</b>	17.7	---



# OIL ANALYSIS REPORT



### FLUID DEGRADATION

	method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	13.8	---

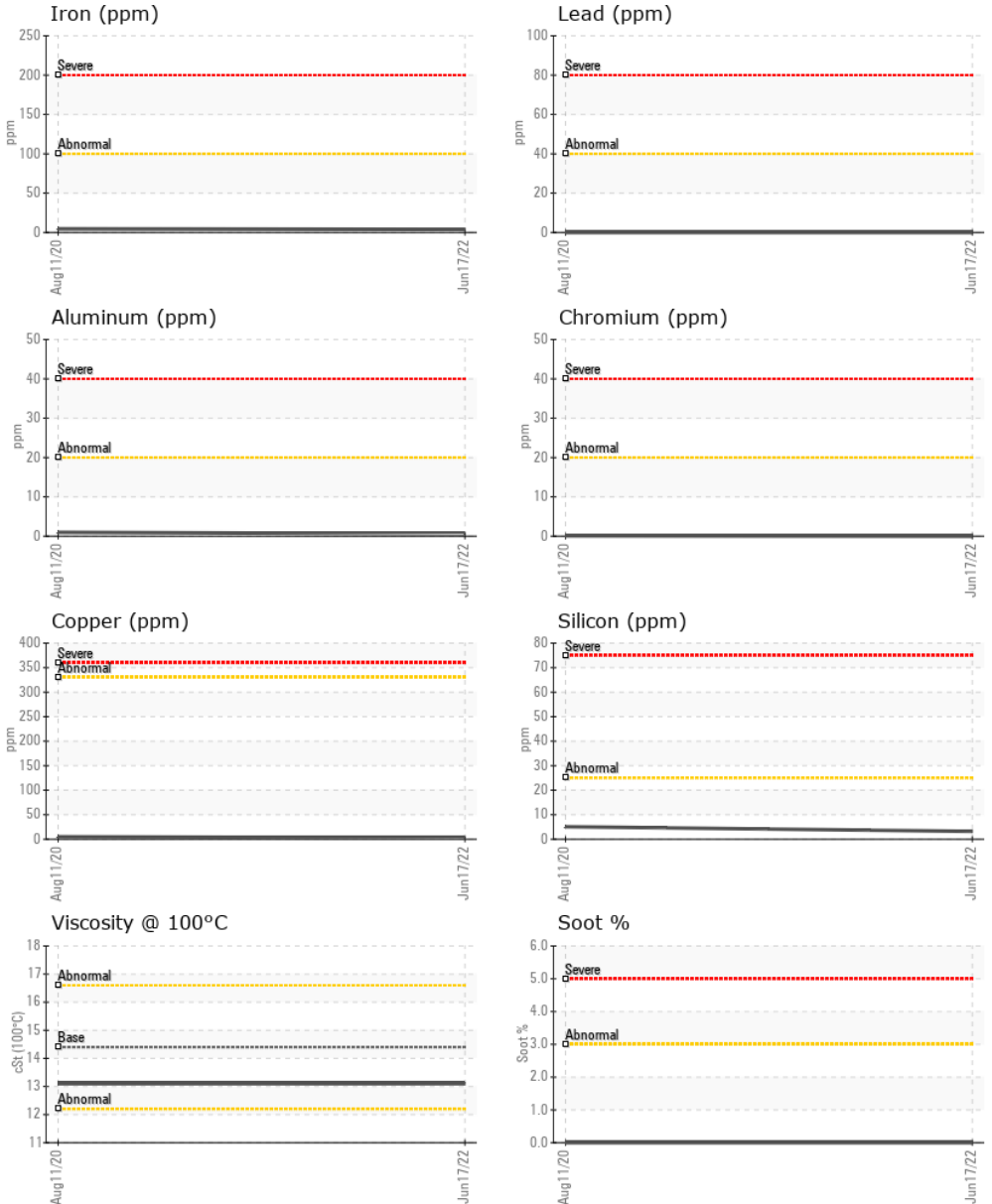
### VISUAL

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

### FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	13.1	---

### GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GD0005332  
**Lab Number** : 02495970  
**Unique Number** : 5420930  
**Test Package** : MOB 1

**Generatrice Drummond**  
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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.