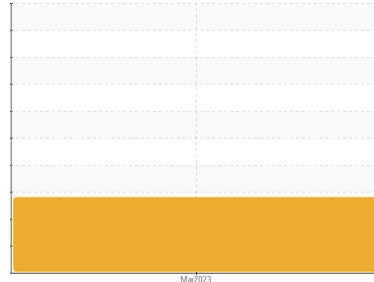


Machine Id  
**03RB**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA 10W40 (--- GAL)**



**DIAGNOSIS**

**Recommendation**  
Nous recommandons une vidange d'huile. Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition. Veuillez préciser la marque et le modèle du composant lors du prochain échantillon.

**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**  
Le résultat pour le BN indique que la réserve d'alcalinité est acceptable pour l'huile. Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. La viscosité de l'échantillon se situe dans la portée de l'ISO 680; nous vous conseillons de vérifier.

**SAMPLE INFORMATION**

method	limit/base	current	history1	history2
Sample Number	Client Info	<b>PC0055593</b>	---	---
Sample Date	Client Info	<b>26 Mar 2023</b>	---	---
Machine Age	hrs Client Info	<b>1788</b>	---	---
Oil Age	hrs Client Info	<b>250</b>	---	---
Oil Changed	Client Info	<b>N/A</b>	---	---
Sample Status		<b>ABNORMAL</b>	---	---

**CONTAMINATION**

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

**WEAR METALS**

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185(m) >100	<b>76</b>	---	---
Chromium	ppm ASTM D5185(m) >20	<b>2</b>	---	---
Nickel	ppm ASTM D5185(m) >4	<b>&lt;1</b>	---	---
Titanium	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---
Silver	ppm ASTM D5185(m) >3	<b>0</b>	---	---
Aluminum	ppm ASTM D5185(m) >20	<b>40</b>	---	---
Lead	ppm ASTM D5185(m) >40	<b>2</b>	---	---
Copper	ppm ASTM D5185(m) >330	<b>5</b>	---	---
Tin	ppm ASTM D5185(m) >15	<b>6</b>	---	---
Antimony	ppm ASTM D5185(m)	<b>0</b>	---	---
Vanadium	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---
Beryllium	ppm ASTM D5185(m)	<b>0</b>	---	---
Cadmium	ppm ASTM D5185(m)	<b>0</b>	---	---

**ADDITIVES**

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185(m)	<b>75</b>	---	---
Barium	ppm ASTM D5185(m)	<b>0</b>	---	---
Molybdenum	ppm ASTM D5185(m)	<b>121</b>	---	---
Manganese	ppm ASTM D5185(m)	<b>1</b>	---	---
Magnesium	ppm ASTM D5185(m)	<b>▲ 2561</b>	---	---
Calcium	ppm ASTM D5185(m)	<b>▲ 4300</b>	---	---
Phosphorus	ppm ASTM D5185(m)	<b>▲ 2077</b>	---	---
Zinc	ppm ASTM D5185(m)	<b>▲ 2987</b>	---	---
Sulfur	ppm ASTM D5185(m)	<b>▲ 4558</b>	---	---
Lithium	ppm ASTM D5185(m)	<b>&lt;1</b>	---	---

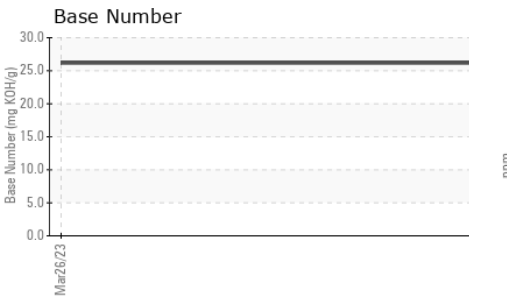
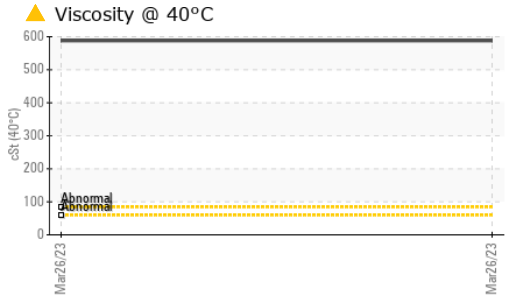
**CONTAMINANTS**

method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185(m) >25	<b>22</b>	---	---
Sodium	ppm ASTM D5185(m) >20	<b>8</b>	---	---
Potassium	ppm ASTM D5185(m) >20	<b>3</b>	---	---

**INFRA-RED**

method	limit/base	current	history1	history2
Soot %	% ASTM D7844* >3	<b>0</b>	---	---
Nitration	Abs/cm ASTM D7624* >20	<b>8.3</b>	---	---
Sulfation	Abs./1mm ASTM D7415* >30	<b>20.4</b>	---	---

# OIL ANALYSIS REPORT

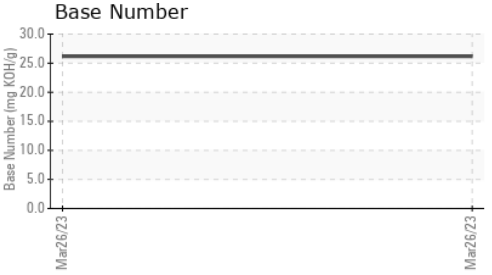
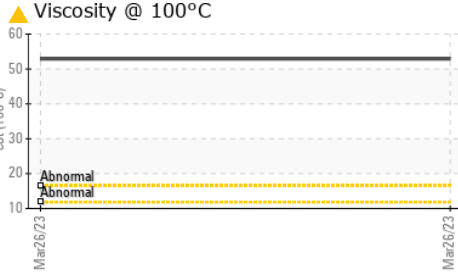
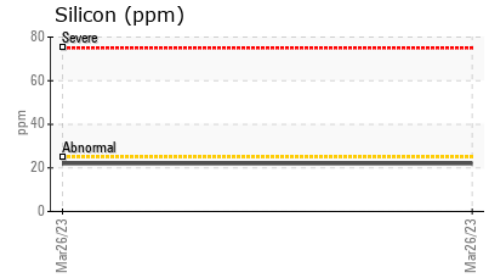
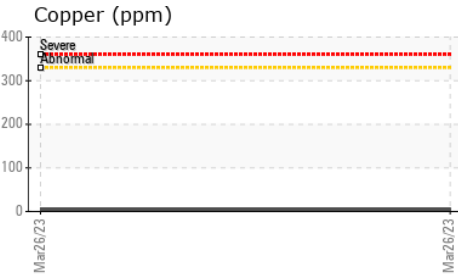
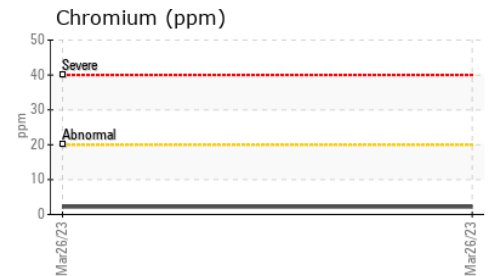
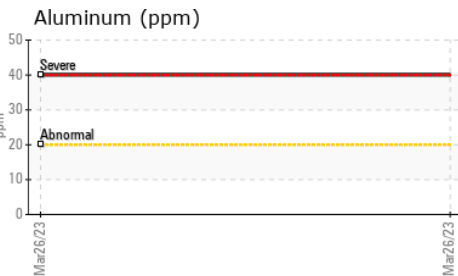
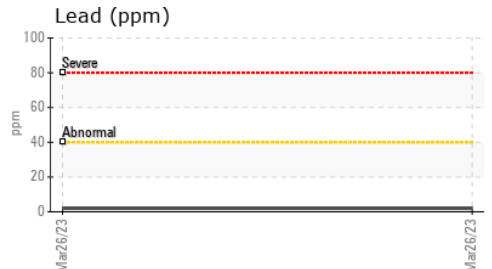
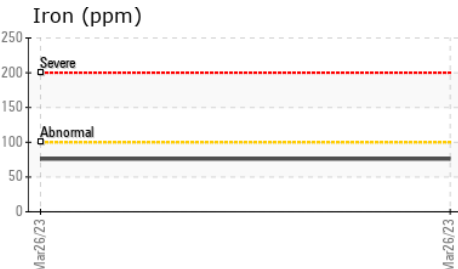


FLUID DEGRADATION		method	limit/base	current	history1	history2
Oxidation	Abs./1mm	ASTM D7414*	>25	<b>13.1</b>	---	---
Base Number (BN)	mg KOH/g	ASTM D2896*		<b>26.17</b>	---	---

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

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)		<b>▲ 588</b>	---	---
Visc @ 100°C	cSt	ASTM D7279(m)		<b>▲ 52.9</b>	---	---
Viscosity Index (VI)	Scale	ASTM D2270*		<b>150</b>	---	---

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0055593 **Received** : 29 Mar 2023  
**Lab Number** : 02548273 **Diagnosed** : 04 Apr 2023  
**Unique Number** : 5553283 **Diagnostician** : Kevin Marson  
**Test Package** : MOB 2 ( Additional Tests: KV40, VI )

**Location Simplex**  
 1900 Rue Des Futailles  
 Montreal, QC  
 CA H1N 3T5  
 Contact: Walter Massicotte  
 wmassicotte@simplex.ca  
 T: (514)251-9281  
 F:

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.