



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

Machine Id  
**810025**

Component  
**Diesel Engine**

Fluid  
**PETRO CANADA DURON SAE 10W30 (--- GAL)**

## RECOMMENDATION

Échantillonner de nouveau l'équipement au prochain intervalle de vidange afin d'en surveiller la condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>PC0083841</b>	PC0081909	GFL0041771
Sample Date		Client Info		<b>26 Feb 2024</b>	28 Nov 2023	24 Jan 2022
Machine Age	kms	Client Info		<b>135630</b>	126538	56251
Oil Age	kms	Client Info		<b>0</b>	0	0
Filter Age	kms	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	N/A
Filter Changed		Client Info		<b>Changed</b>	Changed	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

## WEAR

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

Iron	ppm	ASTM D5185(m)	>80	<b>26</b>	29	37
Chromium	ppm	ASTM D5185(m)	>5	<b>1</b>	1	2
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)	>30	<b>7</b>	7	9
Lead	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>150	<b>2</b>	2	2
Tin	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

## CONTAMINATION

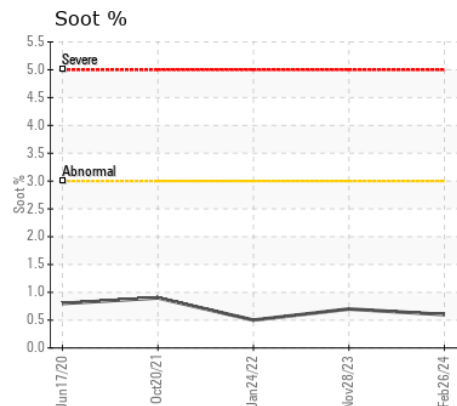
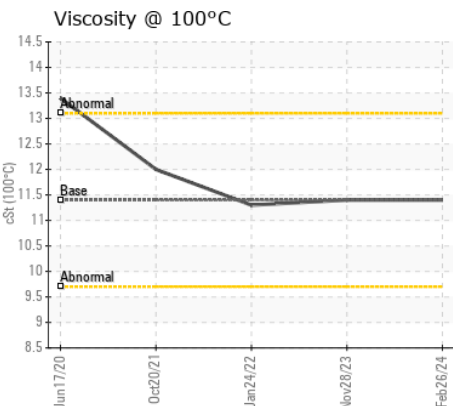
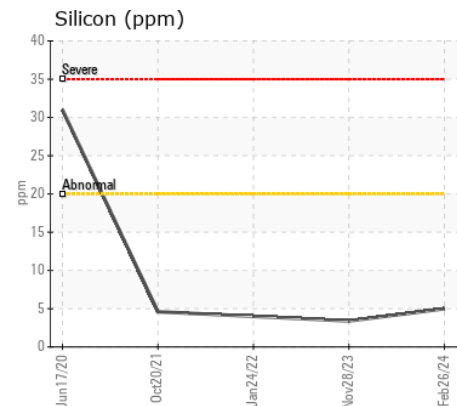
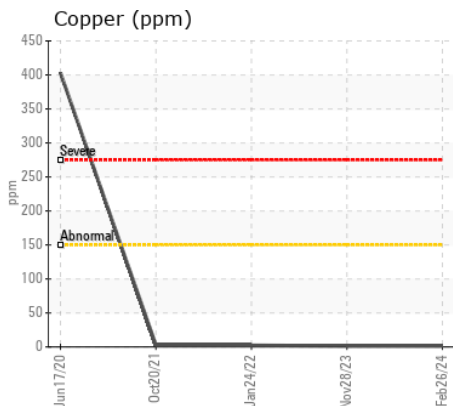
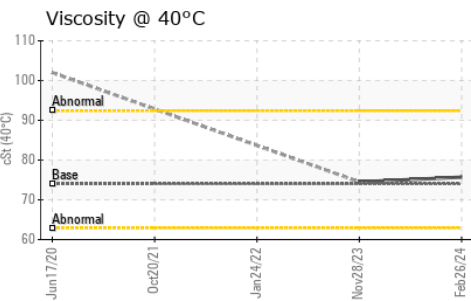
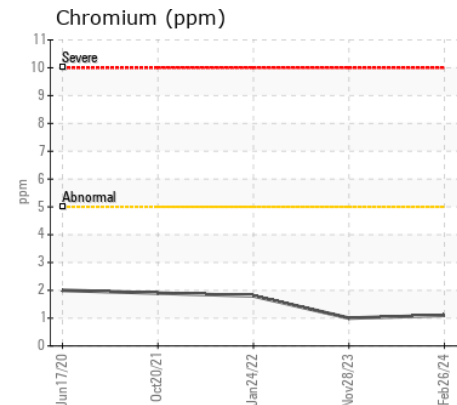
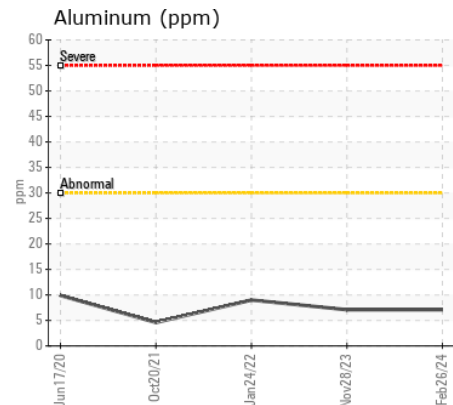
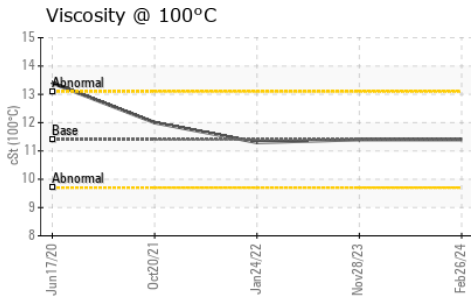
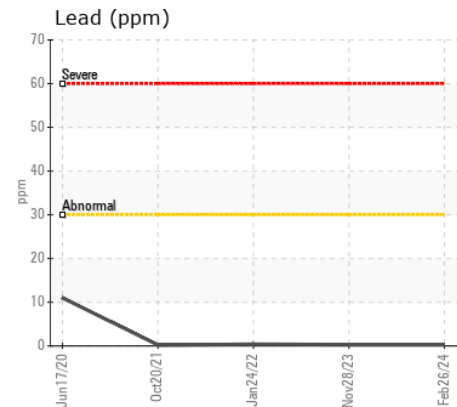
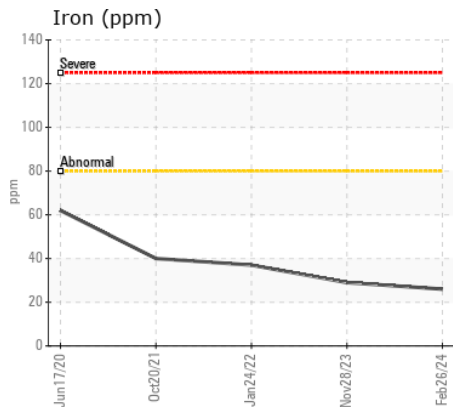
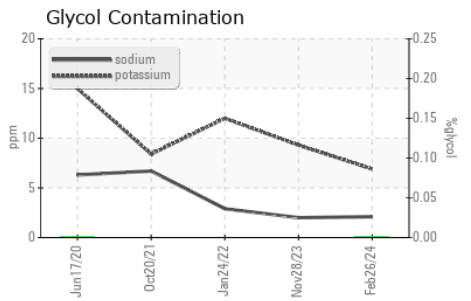
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>20	<b>5</b>	3	4
Potassium	ppm	ASTM D5185(m)	>20	<b>7</b>	9	12
Fuel		WC Method	>5	<b>&lt;1.0</b>	<1.0	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol	%	ASTM D7922*		<b>0.0</b>	NEG	NEG
Soot %	%	ASTM D7844*	>3	<b>0.6</b>	0.7	0.5
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.9</b>	9.8	9.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>20.7</b>	21.1	21.1
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

## FLUID CONDITION

L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		<b>2</b>	2	3
Boron	ppm	ASTM D5185(m)	1	<b>9</b>	7	8
Barium	ppm	ASTM D5185(m)	1	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	1	<b>60</b>	62	61
Manganese	ppm	ASTM D5185(m)	1	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)	10	<b>921</b>	962	1046
Calcium	ppm	ASTM D5185(m)	2942	<b>1137</b>	1074	1115
Phosphorus	ppm	ASTM D5185(m)	1102	<b>985</b>	1011	1086
Zinc	ppm	ASTM D5185(m)	1351	<b>1165</b>	1211	1286
Sulfur	ppm	ASTM D5185(m)	3903	<b>2566</b>	2465	2603
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>17.3</b>	16.9	17.0
Visc @ 40°C	cSt	ASTM D7279(m)	74.0	<b>75.7</b>	74.5	---
Visc @ 100°C	cSt	ASTM D7279(m)	11.4	<b>11.4</b>	11.4	11.3
Viscosity Index (VI)	Scale	ASTM D2270*	146	<b>142</b>	145	---



ISO 17025:2017  
Accredited  
Laboratory

**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0083841  
**Lab Number** : 02618634  
**Unique Number** : 5735744  
**Test Package** : MOB 1 ( Additional Tests: Glycol, KV40, VI )

**GFL Environmental - 737 - Quebec City Hauling**  
 6205 Boul. Wilfrid Hamel,  
 Quebec City, QC  
 CA G2E 5G8  
 Contact: Dave Beaulieu  
 davebeaulieu@matrec.ca

*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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F: