



Machine Id  
**813096**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (--- LTR)**

### 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>GFL0116331</b>	GFL0096617	PC0078101
Sample Date		Client Info		<b>08 Apr 2024</b>	20 Dec 2023	04 Oct 2023
Machine Age	hrs	Client Info		<b>0</b>	17813	4543
Oil Age	hrs	Client Info		<b>600</b>	600	0
Filter Age	hrs	Client Info		<b>0</b>	600	0
Oil Changed		Client Info		<b>N/A</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

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

Iron	ppm	ASTM D5185(m)	>120	<b>12</b>	16	28
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>8</b>	10	11
Titanium	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	1	1
Aluminum	ppm	ASTM D5185(m)	>20	<b>1</b>	2	4
Lead	ppm	ASTM D5185(m)	>40	<b>2</b>	4	6
Copper	ppm	ASTM D5185(m)	>330	<b>118</b>	173	222
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	2
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

### CONTAMINATION

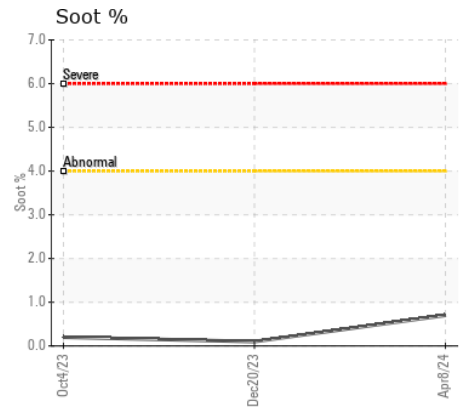
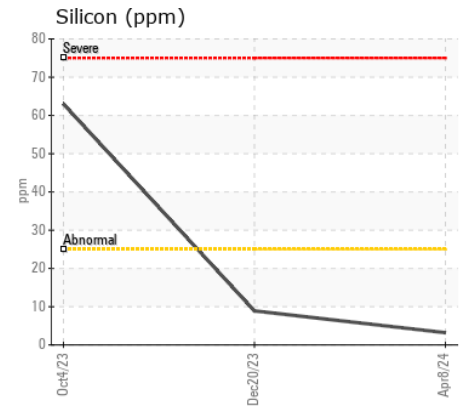
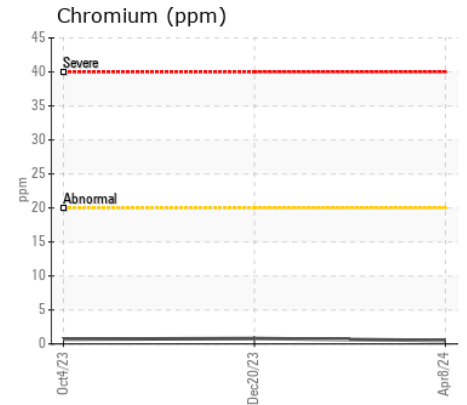
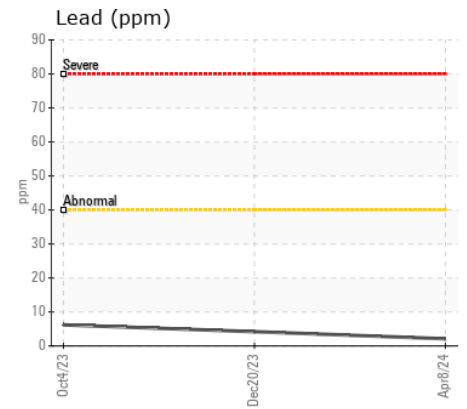
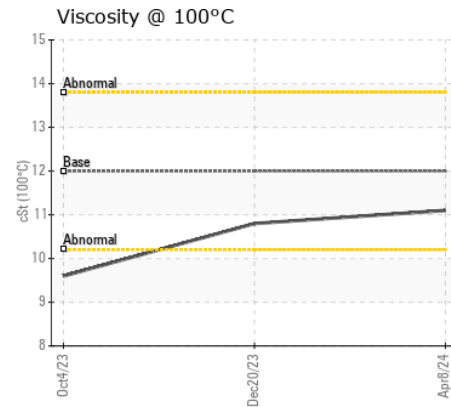
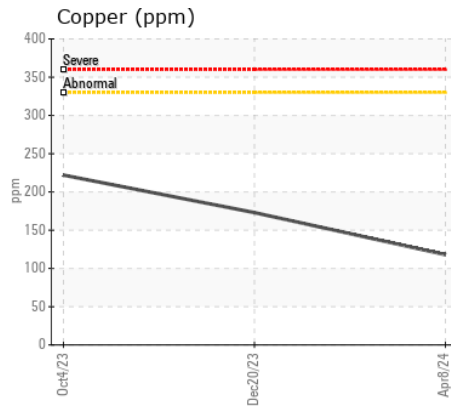
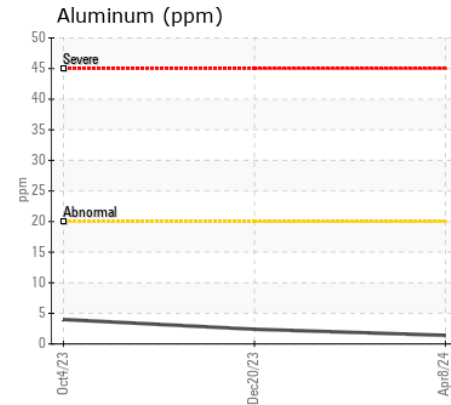
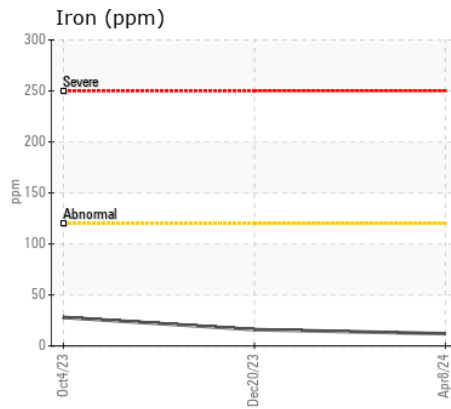
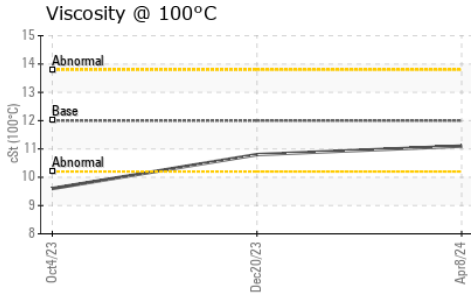
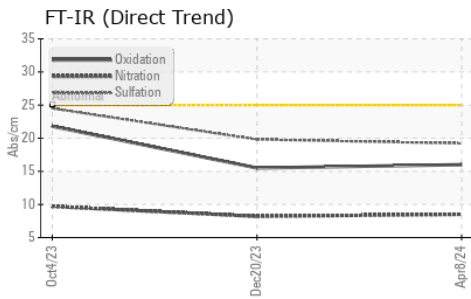
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	9	63
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	4	8
Fuel		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	0.8
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>4	<b>0.7</b>	0.1	0.2
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.5</b>	8.2	9.7
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.2</b>	19.8	24.5
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>3</b>	1	4
Boron	ppm	ASTM D5185(m)	2	<b>8</b>	21	210
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	50	<b>61</b>	58	113
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	4
Magnesium	ppm	ASTM D5185(m)	950	<b>884</b>	829	665
Calcium	ppm	ASTM D5185(m)	1050	<b>1149</b>	1219	1457
Phosphorus	ppm	ASTM D5185(m)	995	<b>955</b>	949	674
Zinc	ppm	ASTM D5185(m)	1180	<b>1166</b>	1100	769
Sulfur	ppm	ASTM D5185(m)	2600	<b>2367</b>	2492	1917
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>16.0</b>	15.5	21.8
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>11.1</b>	10.8	9.6



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0116331  
**Lab Number** : 02629838  
**Unique Number** : 5762970  
**Test Package** : MOB 1  
**Received** : 18 Apr 2024  
**Tested** : 18 Apr 2024  
**Diagnosed** : 18 Apr 2024 - Wes Davis

**GFL Environmental - 736 - Trois-Rivieres**  
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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.