



Machine Id  
**919005**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (--- GAL)**

### RECOMMENDATION

Confirmez la source du lubrifiant utilisé pour l'appoint/remplissage.  
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>GFL0107631</b>	GFL0107568	GFL0096451
Sample Date		Client Info		<b>10 Apr 2024</b>	26 Jan 2024	31 Oct 2023
Machine Age	kms	Client Info		<b>247679</b>	235400	222871
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>N/A</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	ABNORMAL	NORMAL

### WEAR

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

Iron	ppm	ASTM D5185(m)	>120	<b>12</b>	17	33
Chromium	ppm	ASTM D5185(m)	>20	<b>0</b>	<1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	<b>3</b>	4	4
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	<1	1
Copper	ppm	ASTM D5185(m)	>330	<b>1</b>	2	7
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

### CONTAMINATION

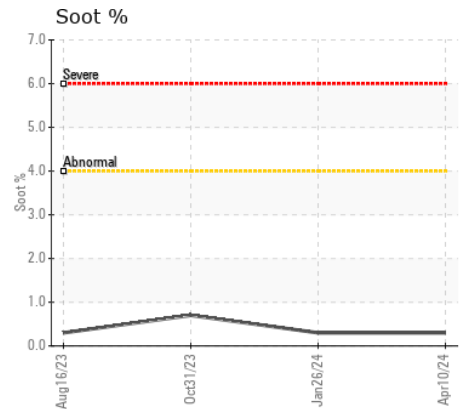
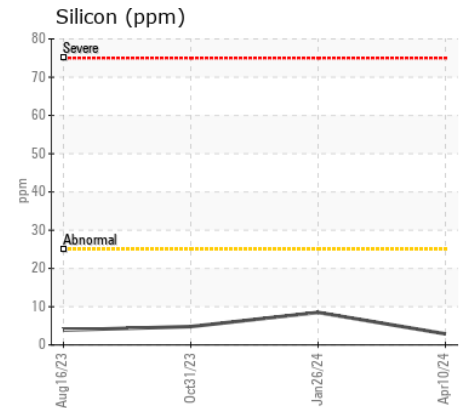
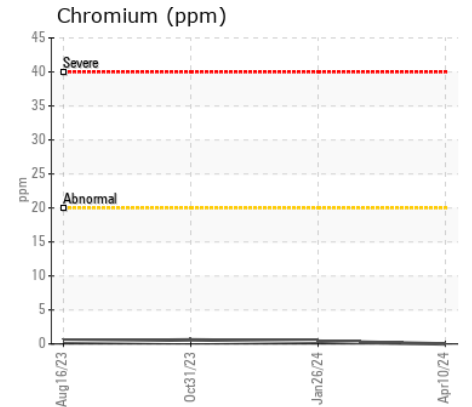
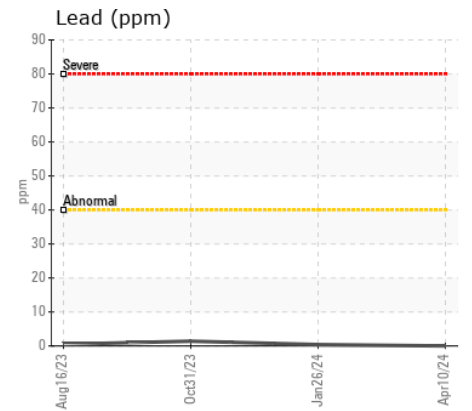
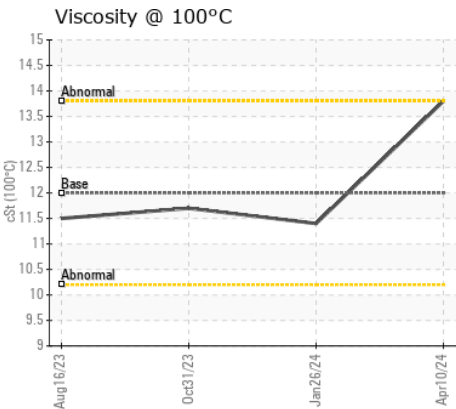
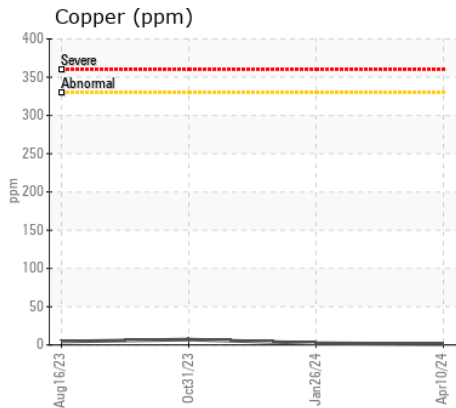
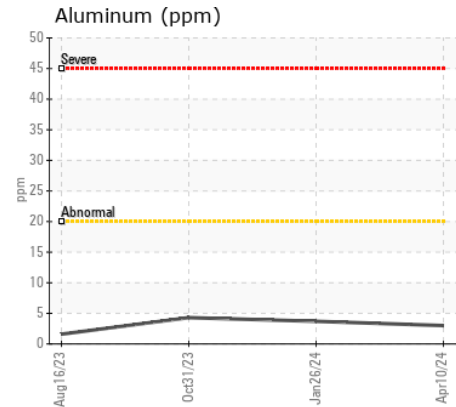
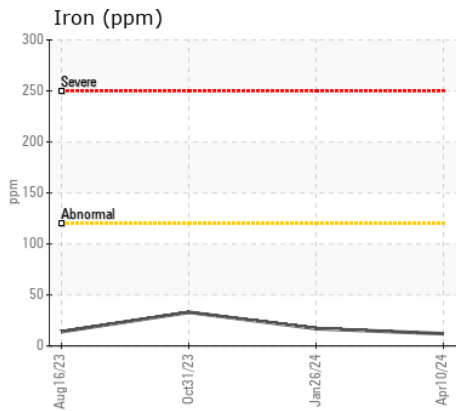
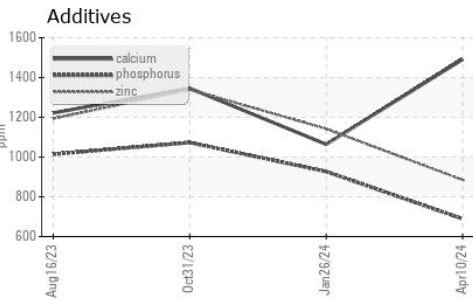
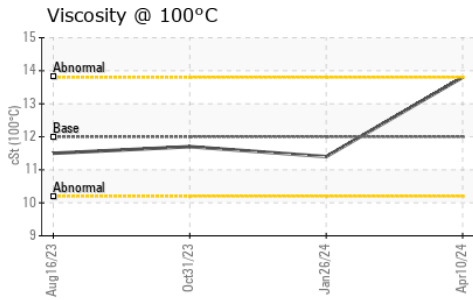
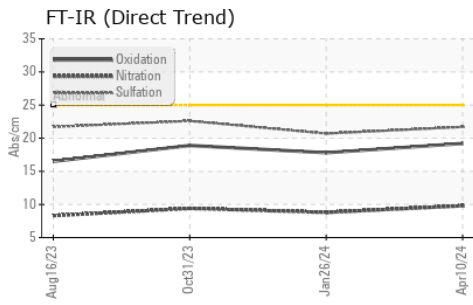
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	8	5
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	1	0
Fuel		WC Method	>3.0	<b>&lt;1.0</b>	0.7	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol		WC Method		<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*	>4	<b>0.3</b>	0.3	0.7
Nitration	Abs/cm	ASTM D7624*	>20	<b>9.8</b>	8.8	9.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>21.7</b>	20.7	22.6
Emulsified Water	scalar	Visual*	>0.2	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

Les niveaux d'additifs indiquent l'ajout d'une autre marque ou d'un autre type d'huile. L'état de l'huile est acceptable pour la durée de service.

Sodium	ppm	ASTM D5185(m)		<b>9</b>	10	8
Boron	ppm	ASTM D5185(m)	2	<b>19</b>	3	3
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)	50	<b>49</b>	57	64
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185(m)	950	<b>580</b>	921	1023
Calcium	ppm	ASTM D5185(m)	1050	<b>1491</b>	1064	1346
Phosphorus	ppm	ASTM D5185(m)	995	<b>689</b>	927	1073
Zinc	ppm	ASTM D5185(m)	1180	<b>885</b>	1142	1339
Sulfur	ppm	ASTM D5185(m)	2600	<b>1788</b>	2365	2202
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>19.2</b>	17.8	18.9
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>13.8</b>	▲ 11.4	11.7



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0107631  
**Lab Number** : 02633450  
**Unique Number** : 5774603  
**Test Package** : MOB 1  
**Received** : 06 May 2024  
**Tested** : 06 May 2024  
**Diagnosed** : 07 May 2024 - Kevin Marson

**GFL Environmental - 747 - GMA - Solid Waste**  
 4 Chemin du Tremblay,  
 Boucherville, QC  
 CA J4B 6Z5  
 Contact: Steve Voyer  
 svoyer@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.