



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



Machine Id  
**913157**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (30 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>GFL0120690</b>	GFL0111941	GFL0107639
Sample Date		Client Info		<b>11 Jun 2024</b>	01 Apr 2024	19 Mar 2024
Machine Age	hrs	Client Info		<b>1457</b>	2746	29553
Oil Age	hrs	Client Info		<b>0</b>	0	29553
Filter Age	hrs	Client Info		<b>0</b>	0	29553
Oil Changed		Client Info		<b>N/A</b>	N/A	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	ATTENTION	NORMAL

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>120	<b>18</b>	3	13
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>4</b>	0	6
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	0
Silver	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>1</b>	4	1
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	0	<1
Copper	ppm	ASTM D5185(m)	>330	<b>7</b>	<1	33
Tin	ppm	ASTM D5185(m)	>15	<b>1</b>	0	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	<1	0

**CONTAMINATION**

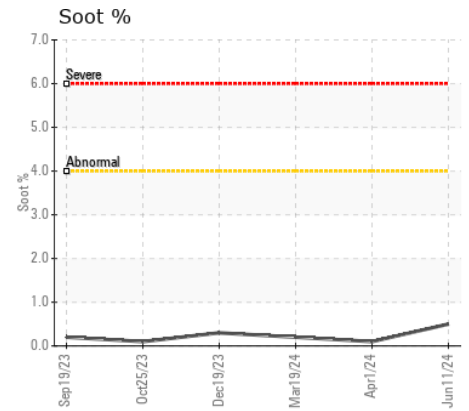
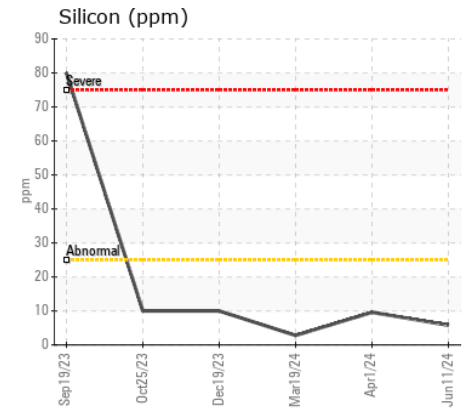
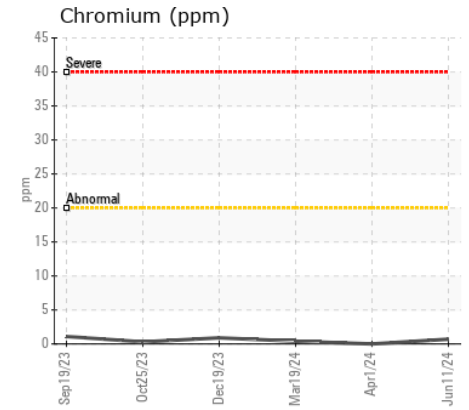
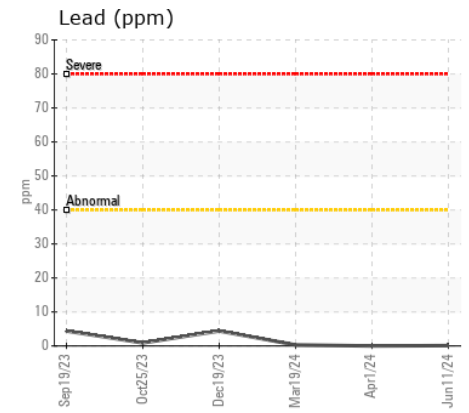
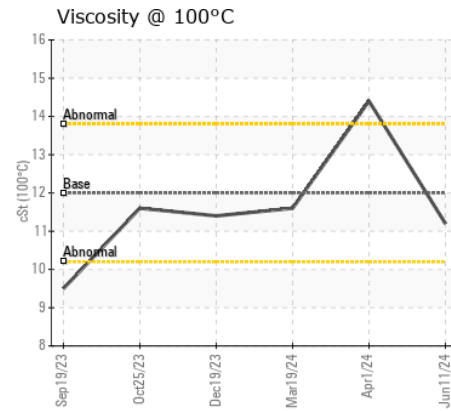
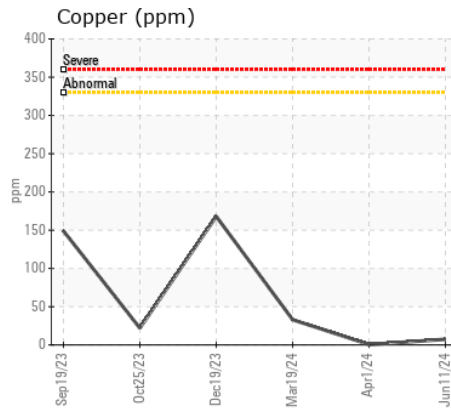
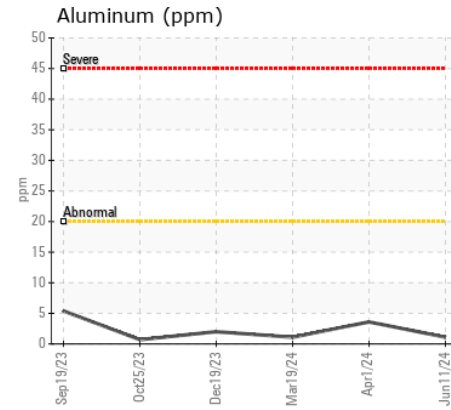
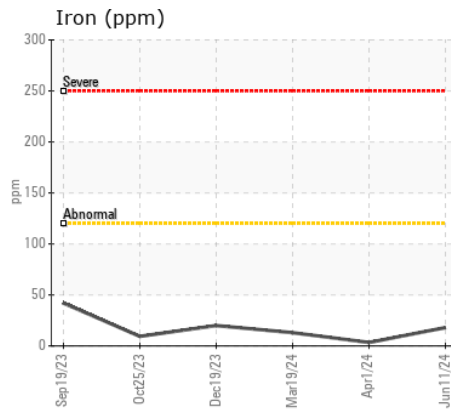
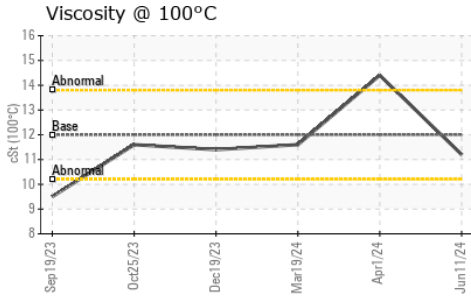
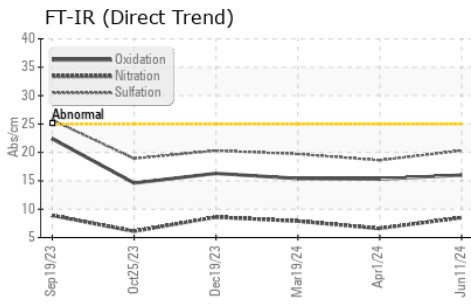
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>6</b>	10	3
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	7	1
Fuel		WC Method	>3.0	<b>&lt;1.0</b>	<1.0	<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>0.5</b>	0.1	0.2
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.5</b>	6.6	7.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>20.3</b>	18.6	19.7
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>7</b>	1	7
Boron	ppm	ASTM D5185(m)	2	<b>1</b>	1	2
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>58</b>	63	60
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	0
Magnesium	ppm	ASTM D5185(m)	950	<b>960</b>	1079	983
Calcium	ppm	ASTM D5185(m)	1050	<b>1038</b>	1187	1093
Phosphorus	ppm	ASTM D5185(m)	995	<b>938</b>	1063	978
Zinc	ppm	ASTM D5185(m)	1180	<b>1183</b>	1371	1186
Sulfur	ppm	ASTM D5185(m)	2600	<b>2289</b>	3954	2335
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>16.0</b>	15.3	15.4
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>11.2</b>	14.4	11.6



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0120690  
**Lab Number** : 02643087  
**Unique Number** : 5800626  
**Test Package** : MOB 1  
**Received** : 20 Jun 2024  
**Tested** : 20 Jun 2024  
**Diagnosed** : 20 Jun 2024 - Wes Davis

**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.

T:  
F: