

Machine Id  
**7173**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA DURON SHP 10W30 (--- GAL)**

**RECOMMENDATION**

Aucune mesure corrective n'est recommandée pour l'instant.  
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>PC0081990</b>	PC0081875	PC0078002
Sample Date		Client Info		<b>26 Feb 2024</b>	02 Jan 2024	11 Sep 2023
Machine Age	kms	Client Info		<b>375187</b>	370654	358215
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>MARGINAL</b>	ABNORMAL	ATTENTION

**WEAR**

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

Iron	ppm	ASTM D5185(m)	>110	<b>16</b>	28	16
Chromium	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	1	1
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	<b>3</b>	4	3
Lead	ppm	ASTM D5185(m)	>45	<b>&lt;1</b>	1	1
Copper	ppm	ASTM D5185(m)	>85	<b>1</b>	2	3
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

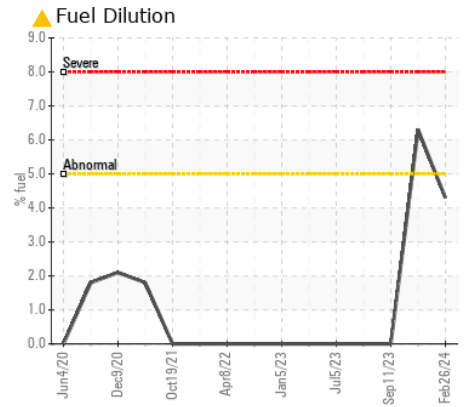
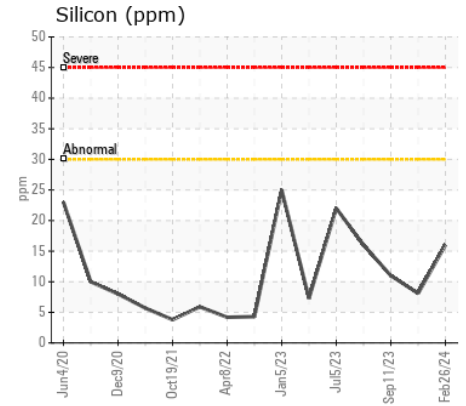
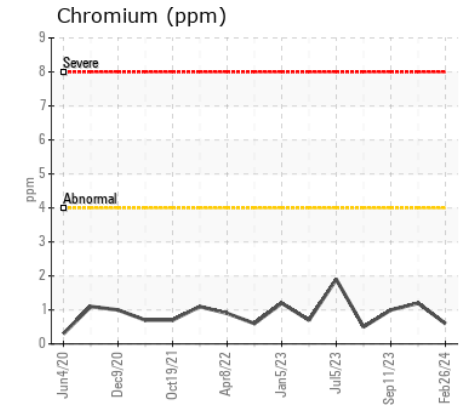
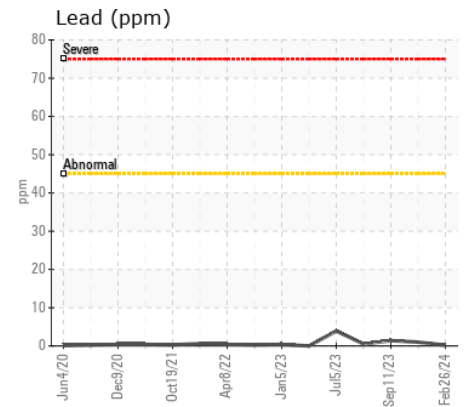
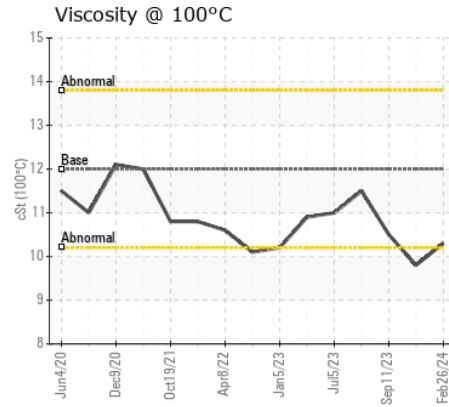
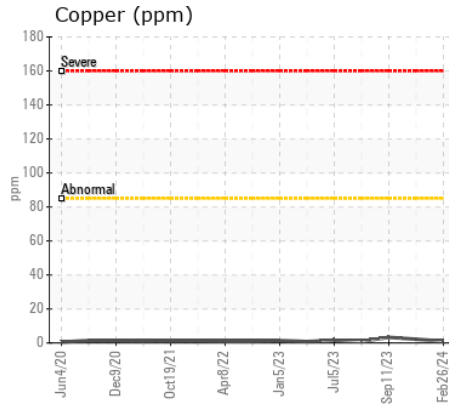
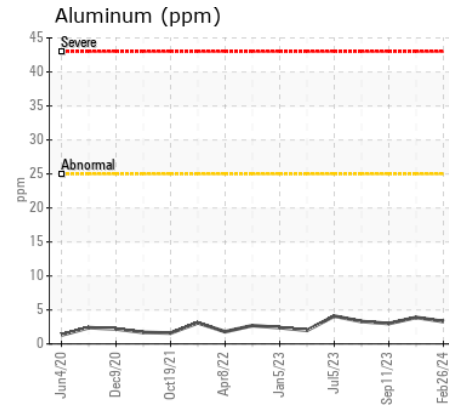
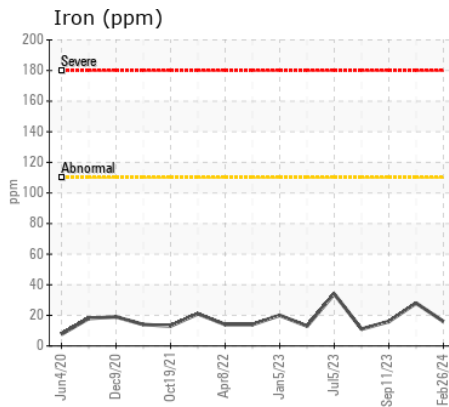
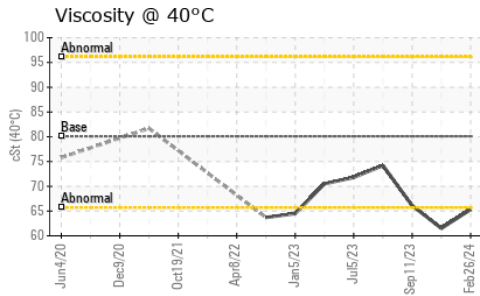
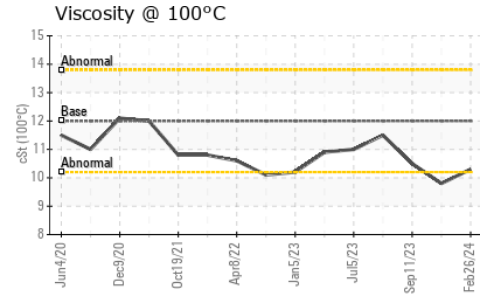
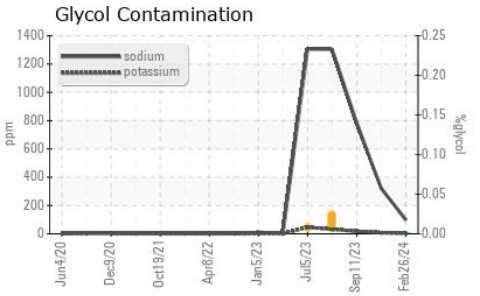
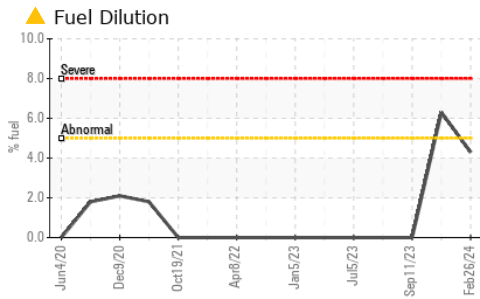
Légère dilution de carburant dans l'huile. Le test de glycol est négatif.  
Aucun autre contaminant n'a été détecté dans l'huile.

Silicon	ppm	ASTM D5185(m)	>30	<b>16</b>	8	11
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	8	18
Fuel	%	ASTM D7593*	>5	<b>▲ 4.3</b>	▲ 6.3	<1.0
Water		WC Method	>0.2	<b>NEG</b>	NEG	NEG
Glycol	%	ASTM D7922*		<b>0.0</b>	0.0	0.0
Soot %	%	ASTM D7844*	>3	<b>0.2</b>	0.4	0.1
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.1</b>	11.1	9.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.2</b>	22.0	19.4
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>99</b>	● 321	● 786
Boron	ppm	ASTM D5185(m)	2	<b>11</b>	5	11
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>62</b>	72	95
Manganese	ppm	ASTM D5185(m)	0	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185(m)	950	<b>876</b>	874	873
Calcium	ppm	ASTM D5185(m)	1050	<b>1012</b>	990	964
Phosphorus	ppm	ASTM D5185(m)	995	<b>943</b>	885	994
Zinc	ppm	ASTM D5185(m)	1180	<b>1101</b>	1072	1110
Sulfur	ppm	ASTM D5185(m)	2600	<b>2601</b>	2497	2478
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>15.2</b>	19.2	15.2
Visc @ 40°C	cSt	ASTM D7279(m)	80.1	<b>65.3</b>	61.5	66.1
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	<b>10.3</b>	9.8	10.5
Viscosity Index (VI)	Scale	ASTM D2270*	144	<b>144</b>	143	147



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0081990  
**Lab Number** : 02620761  
**Unique Number** : 5737871  
**Test Package** : MOB 1 ( Additional Tests: Glycol, KV40, PercentFuel, VI )

**GFL Environmental - 742 - Quebec City Solid Waste**  
 5160 Jean-Talon Pierre-Bertrand Bou  
 Quebec City, QC  
 CA G2J 1B7

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.

**Contact:** Jean Audet  
**Jaudet@matrec.ca**  
**T:** (418)624-0080  
**F:**