



Machine Id  
**713060**  
Component  
**Diesel Engine**  
Fluid  
**PETRO CANADA 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>PC0088253</b>	PC0075465	PC0068000
Sample Date		Client Info		<b>11 Apr 2024</b>	09 Aug 2023	20 Mar 2023
Machine Age	kms	Client Info		<b>24019</b>	12850	5694
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	Changed
Filter Changed		Client Info		<b>Changed</b>	Changed	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

Les taux de métaux sont typiques pour la période de rodage d'un nouveau composant.

Iron	ppm	ASTM D5185(m)	>120	<b>9</b>	26	26
Chromium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	1	<1
Nickel	ppm	ASTM D5185(m)	>5	<b>2</b>	6	4
Titanium	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>2	<b>0</b>	<1	1
Aluminum	ppm	ASTM D5185(m)	>20	<b>1</b>	2	5
Lead	ppm	ASTM D5185(m)	>40	<b>0</b>	3	4
Copper	ppm	ASTM D5185(m)	>330	<b>17</b>	150	134
Tin	ppm	ASTM D5185(m)	>15	<b>0</b>	1	2
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

### CONTAMINATION

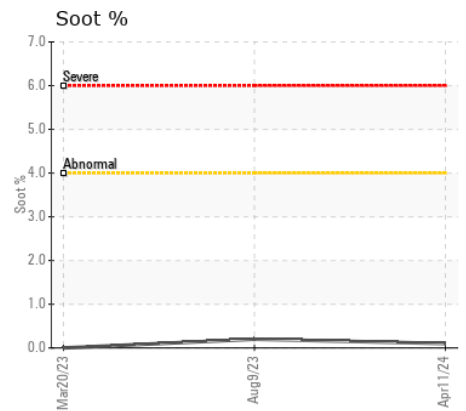
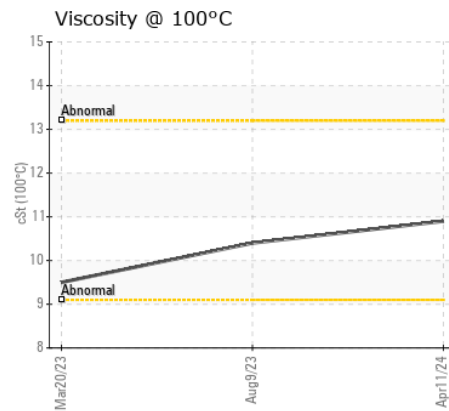
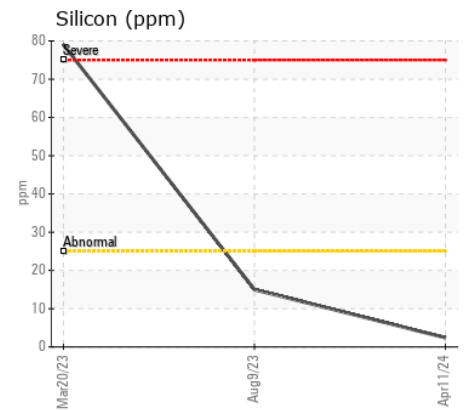
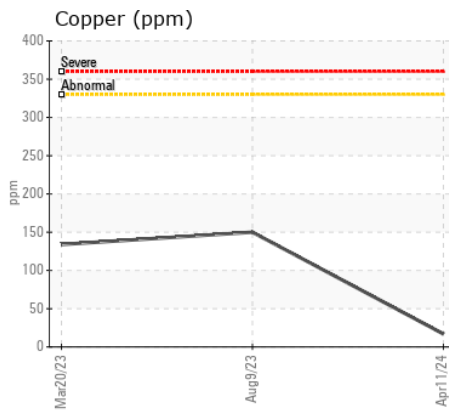
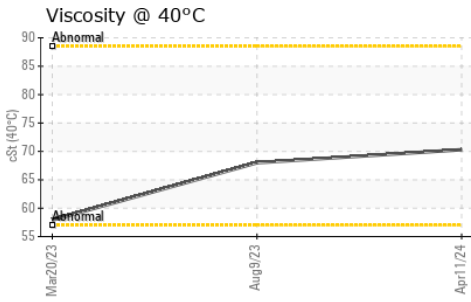
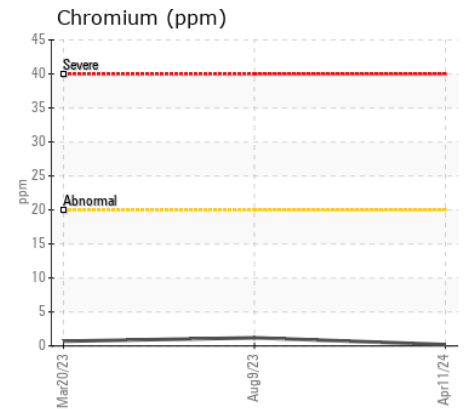
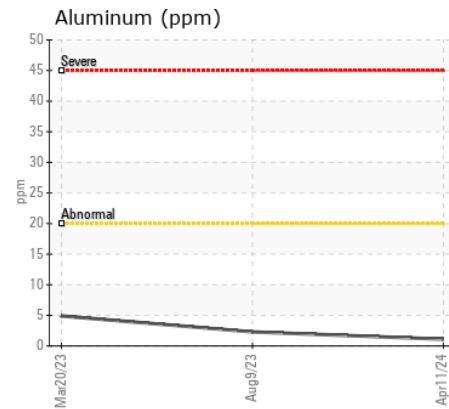
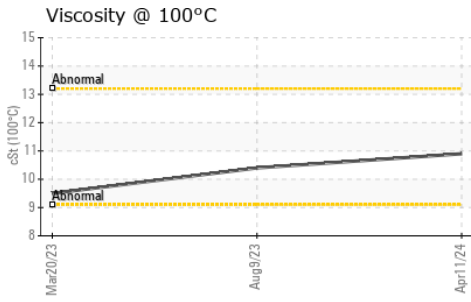
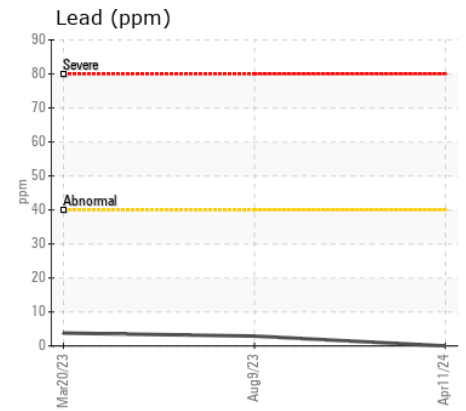
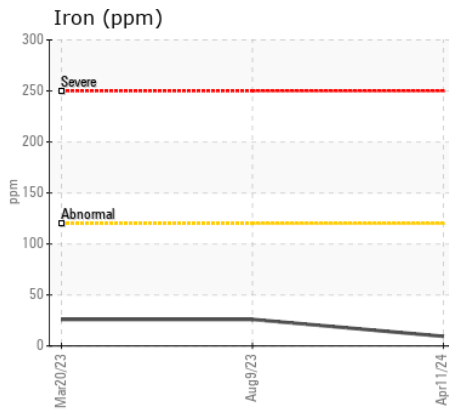
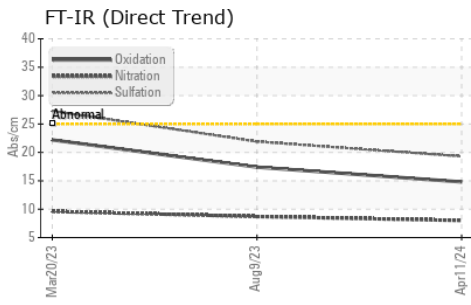
Il n'y a aucun indice de contamination dans l'huile.

Silicon	ppm	ASTM D5185(m)	>25	<b>2</b>	15	79
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	4	5
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>0.1</b>	0.2	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>8.0</b>	8.7	9.6
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>19.3</b>	21.9	27.3
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>	8	3
Boron	ppm	ASTM D5185(m)		<b>14</b>	13	282
Barium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Molybdenum	ppm	ASTM D5185(m)		<b>56</b>	70	110
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	1	5
Magnesium	ppm	ASTM D5185(m)		<b>869</b>	982	583
Calcium	ppm	ASTM D5185(m)		<b>1129</b>	1222	1528
Phosphorus	ppm	ASTM D5185(m)		<b>956</b>	1014	740
Zinc	ppm	ASTM D5185(m)		<b>1116</b>	1221	803
Sulfur	ppm	ASTM D5185(m)		<b>2472</b>	1907	2030
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>14.8</b>	17.4	22.2
Visc @ 40°C	cSt	ASTM D7279(m)		<b>70.3</b>	68.0	57.9
Visc @ 100°C	cSt	ASTM D7279(m)		<b>10.9</b>	10.4	9.5
Viscosity Index (VI)	Scale	ASTM D2270*		<b>145</b>	139	147



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : PC0088253  
**Lab Number** : 02628703  
**Unique Number** : 5761835  
**Test Package** : MOB 1 ( Additional Tests: 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: