



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



Machine Id  
**731067**  
Component  
**Natural Gas Engine**  
Fluid  
**PETRO CANADA DURON GEO LD 15W40 (--- GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0117152</b>	GFL0085903	GFL0081583
Sample Date		Client Info		<b>05 Apr 2024</b>	27 Sep 2023	17 May 2023
Machine Age	hrs	Client Info		<b>5425</b>	3529	3529
Oil Age	hrs	Client Info		<b>1200</b>	0	1200
Filter Age	hrs	Client Info		<b>1200</b>	0	1200
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>Changed</b>	N/A	Changed
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	<b>12</b>	8	14
Chromium	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	1
Nickel	ppm	ASTM D5185(m)	>2	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>9	<b>2</b>	1	2
Lead	ppm	ASTM D5185(m)	>30	<b>5</b>	2	5
Copper	ppm	ASTM D5185(m)	>35	<b>3</b>	2	3
Tin	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

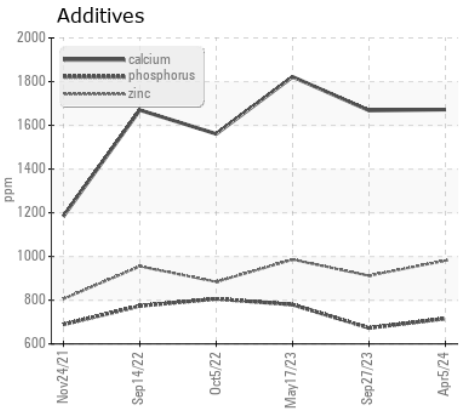
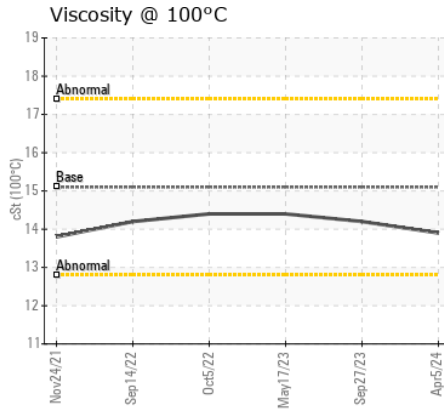
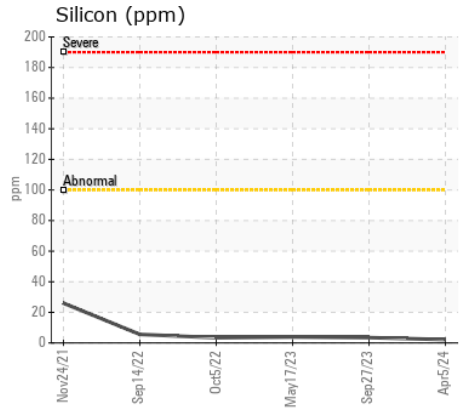
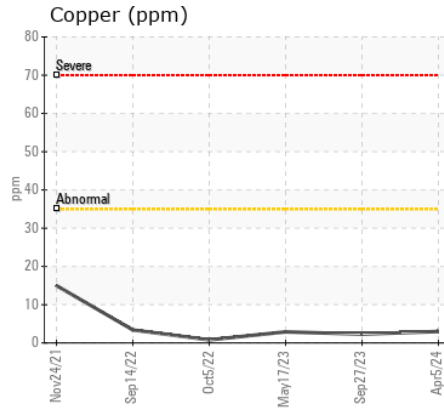
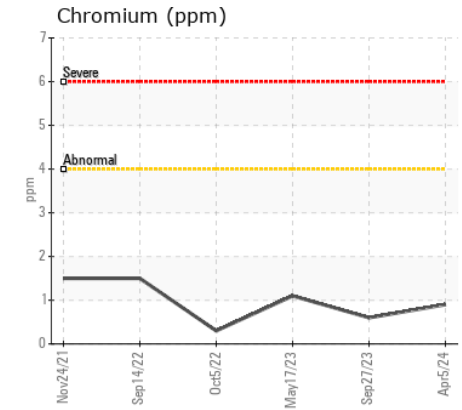
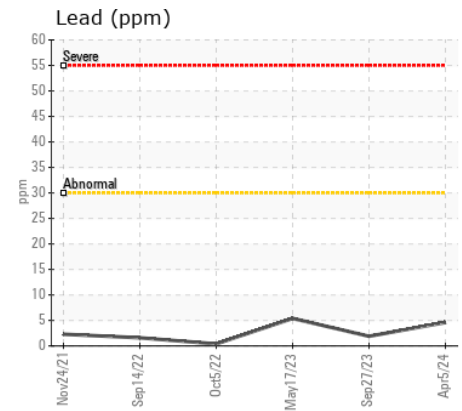
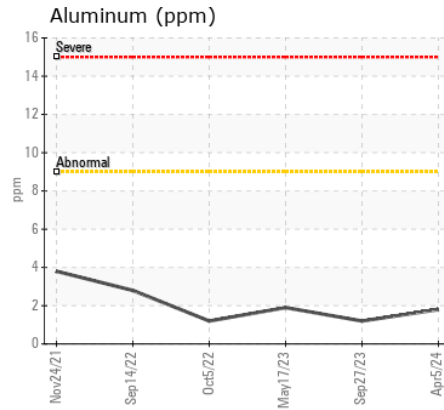
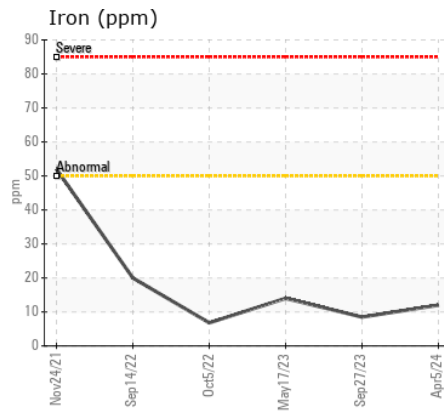
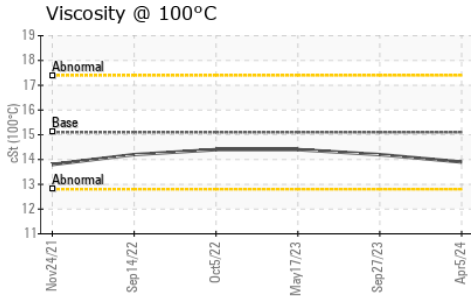
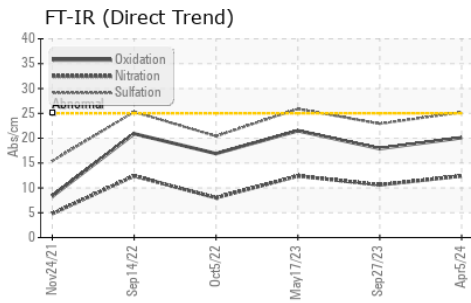
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	<b>2</b>	4	4
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Soot %	%	ASTM D7844*		<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	>20	<b>12.4</b>	10.6	12.4
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>25.2</b>	22.9	25.9
Emulsified Water	scalar	Visual*	>0.1	<b>NEG</b>	NEG	NEG

**FLUID CONDITION**

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>9</b>	8	10
Boron	ppm	ASTM D5185(m)	50	<b>7</b>	12	6
Barium	ppm	ASTM D5185(m)	5	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>58</b>	66	58
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185(m)	560	<b>605</b>	486	602
Calcium	ppm	ASTM D5185(m)	1510	<b>1672</b>	1668	1822
Phosphorus	ppm	ASTM D5185(m)	780	<b>716</b>	673	780
Zinc	ppm	ASTM D5185(m)	870	<b>981</b>	912	986
Sulfur	ppm	ASTM D5185(m)	2040	<b>2052</b>	2061	2121
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>20.1</b>	17.9	21.5
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	<b>13.9</b>	14.2	14.4



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0117152  
**Lab Number** : 02627809  
**Unique Number** : 5760941  
**Test Package** : MOB 1

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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.