



Machine Id  
**8401**  
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>GFL0112535</b>	GFL0101734	GFL0077974
Sample Date		Client Info		<b>31 Mar 2024</b>	01 Dec 2023	07 May 2023
Machine Age	hrs	Client Info		<b>1455</b>	948	13966
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
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>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	<b>14</b>	19	16
Chromium	ppm	ASTM D5185(m)	>5	<b>&lt;1</b>	2	1
Nickel	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	<1	<1
Titanium	ppm	ASTM D5185(m)	>5	<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>2</b>	2	2
Lead	ppm	ASTM D5185(m)	>40	<b>&lt;1</b>	4	1
Copper	ppm	ASTM D5185(m)	>150	<b>&lt;1</b>	1	1
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

### CONTAMINATION

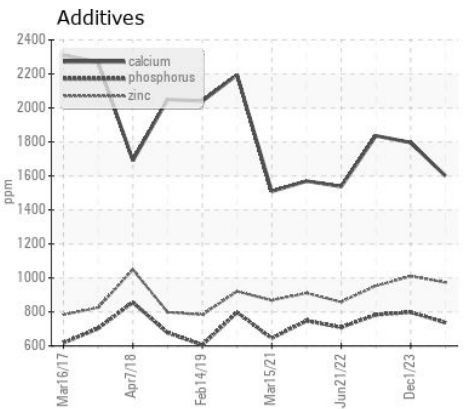
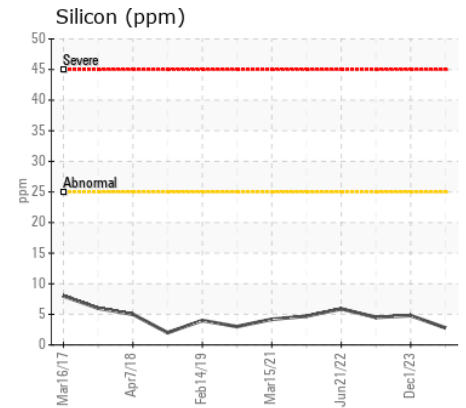
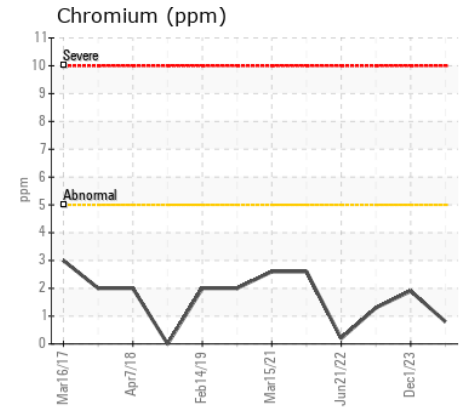
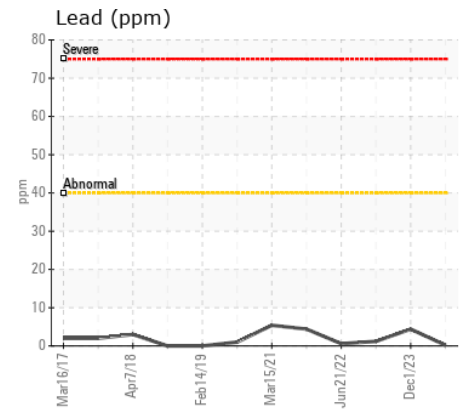
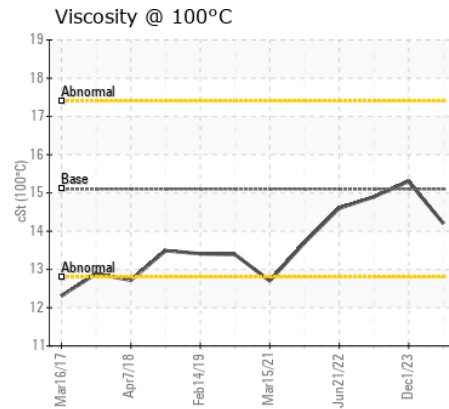
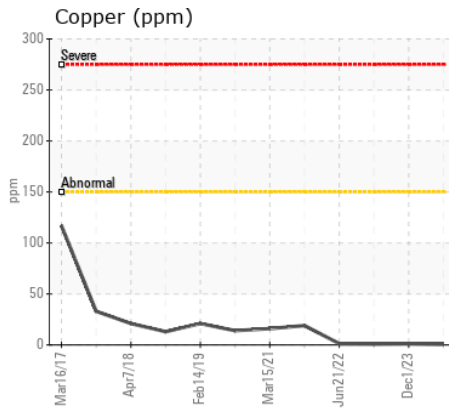
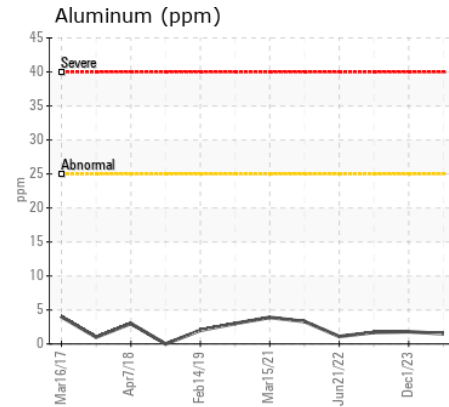
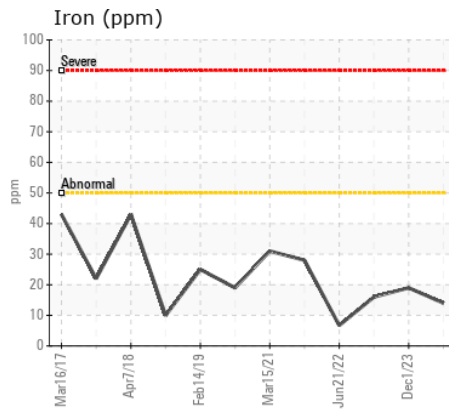
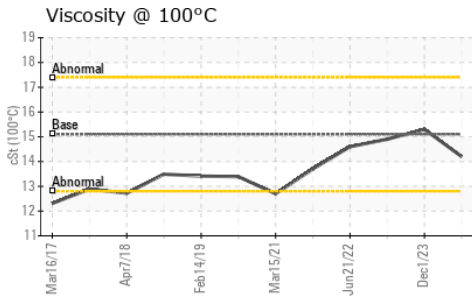
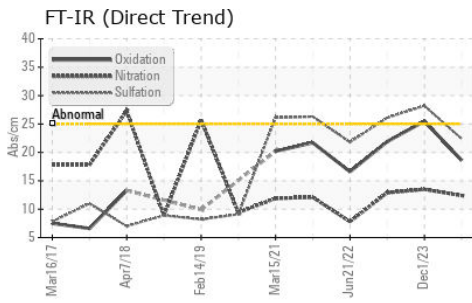
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	<b>3</b>	5	4
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	<1
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>	13.5	12.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>22.4</b>	28.2	26.1
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>8</b>	11	8
Boron	ppm	ASTM D5185(m)	50	<b>10</b>	11	10
Barium	ppm	ASTM D5185(m)	5	<b>0</b>	<1	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>56</b>	60	57
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	560	<b>641</b>	640	600
Calcium	ppm	ASTM D5185(m)	1510	<b>1600</b>	1796	1836
Phosphorus	ppm	ASTM D5185(m)	780	<b>737</b>	798	783
Zinc	ppm	ASTM D5185(m)	870	<b>974</b>	1010	953
Sulfur	ppm	ASTM D5185(m)	2040	<b>2065</b>	2054	2135
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>18.6</b>	25.5	21.9
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	<b>14.2</b>	15.3	14.9



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0112535  
**Lab Number** : 02627684  
**Unique Number** : 5760816  
**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.