



Machine Id  
**733025**  
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>GFL0096763</b>	GFL0096844	GFL0084155
Sample Date		Client Info		<b>22 Jun 2024</b>	31 Jan 2024	15 Aug 2023
Machine Age	kms	Client Info		<b>40437</b>	3044	19550
Oil Age	kms	Client Info		<b>0</b>	0	0
Filter Age	kms	Client Info		<b>0</b>	1200	0
Oil Changed		Client Info		<b>Changed</b>	N/A	N/A
Filter Changed		Client Info		<b>Changed</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

**WEAR**

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>50	<b>10</b>	15	38
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>	0	<1
Aluminum	ppm	ASTM D5185(m)	>9	<b>3</b>	6	7
Lead	ppm	ASTM D5185(m)	>30	<b>&lt;1</b>	2	2
Copper	ppm	ASTM D5185(m)	>35	<b>1</b>	3	12
Tin	ppm	ASTM D5185(m)	>4	<b>&lt;1</b>	1	2
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

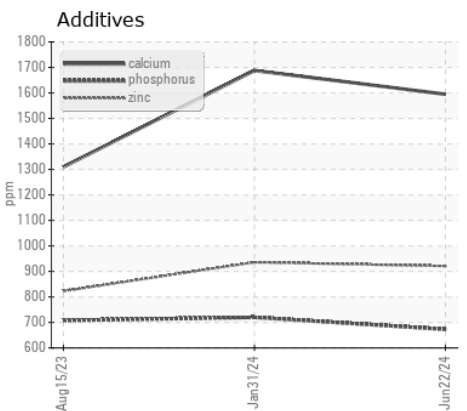
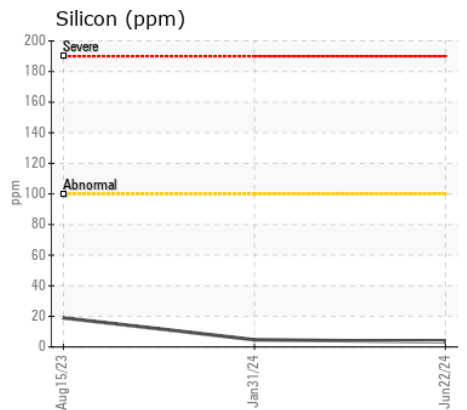
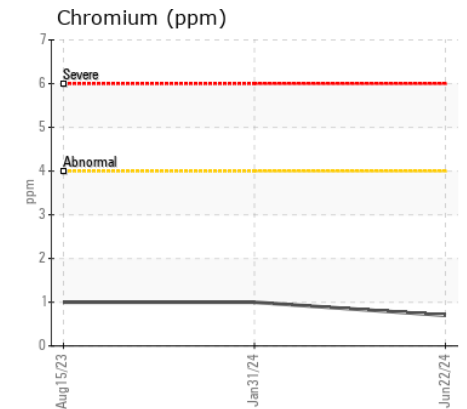
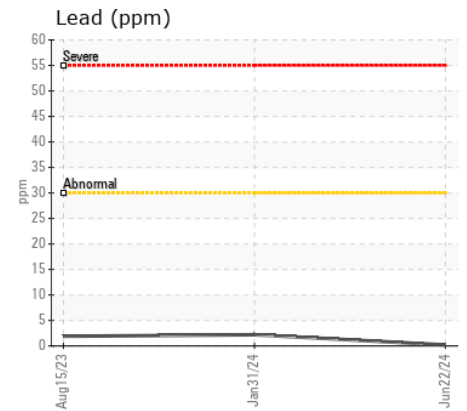
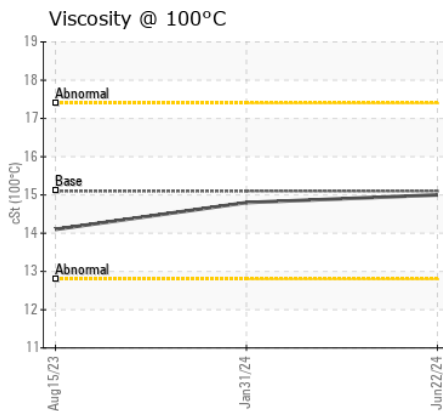
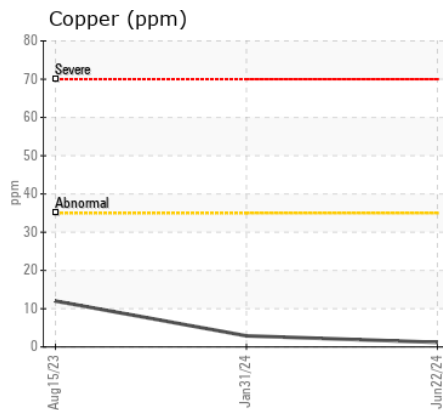
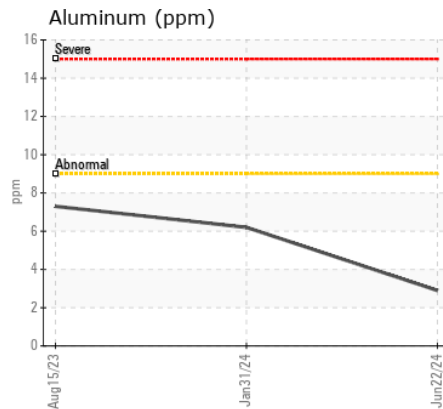
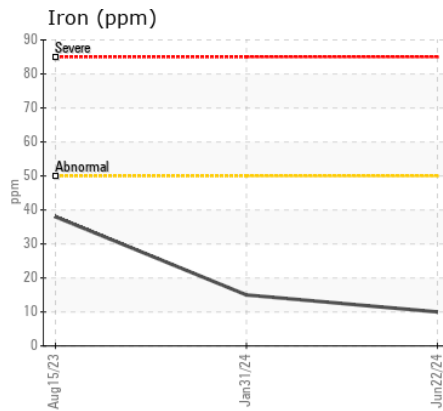
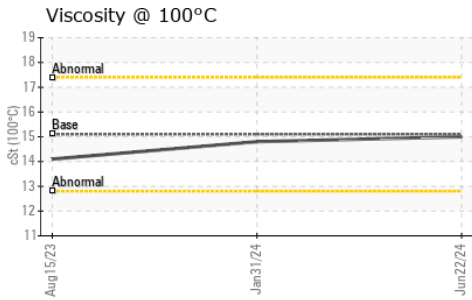
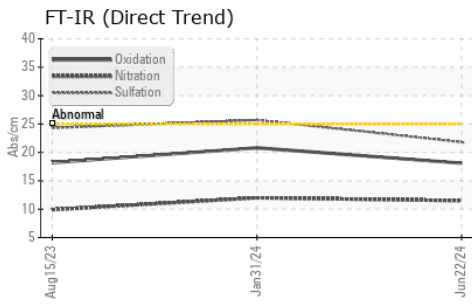
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	<b>3</b>	5	19
Potassium	ppm	ASTM D5185(m)	>20	<b>4</b>	12	16
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>11.5</b>	12.0	9.9
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>21.8</b>	25.7	24.3
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>7</b>	7	4
Boron	ppm	ASTM D5185(m)	50	<b>13</b>	10	14
Barium	ppm	ASTM D5185(m)	5	<b>0</b>	0	2
Molybdenum	ppm	ASTM D5185(m)	50	<b>53</b>	56	79
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	<1	7
Magnesium	ppm	ASTM D5185(m)	560	<b>555</b>	574	593
Calcium	ppm	ASTM D5185(m)	1510	<b>1595</b>	1688	1310
Phosphorus	ppm	ASTM D5185(m)	780	<b>673</b>	720	708
Zinc	ppm	ASTM D5185(m)	870	<b>921</b>	936	823
Sulfur	ppm	ASTM D5185(m)	2040	<b>2051</b>	2177	2109
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>18.1</b>	20.8	18.2
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	<b>15.0</b>	14.8	14.1



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0096763  
**Lab Number** : 02644766  
**Unique Number** : 5802305  
**Test Package** : MOB 1  
**Received** : 02 Jul 2024  
**Tested** : 02 Jul 2024  
**Diagnosed** : 02 Jul 2024 - Wes Davis

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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.