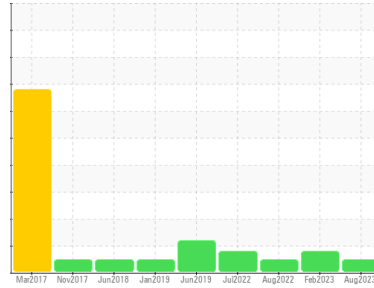




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Machine Id  
**8400**  
 Component  
**Natural Gas Engine**  
 Fluid  
**PETRO CANADA DURON GEO LD 15W40 (--- LTR)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>GFL0090625</b>	GFL0072856	GFL0057748
Sample Date	Client Info		<b>07 Aug 2023</b>	18 Feb 2023	29 Aug 2022
Machine Age	hrs	Client Info	<b>14213</b>	13349	0
Oil Age	hrs	Client Info	<b>0</b>	0	0
Oil Changed	Client Info		<b>Changed</b>	N/A	Changed
Sample Status			<b>NORMAL</b>	MARGINAL	NORMAL

## WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >50	<b>20</b>	32	7
Chromium	ppm	ASTM D5185(m) >5	<b>3</b>	▲ 4	<1
Nickel	ppm	ASTM D5185(m) >4	<b>&lt;1</b>	1	<1
Titanium	ppm	ASTM D5185(m) >5	<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m) >3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m) >25	<b>2</b>	2	1
Lead	ppm	ASTM D5185(m) >40	<b>5</b>	4	<1
Copper	ppm	ASTM D5185(m) >150	<b>1</b>	2	1
Tin	ppm	ASTM D5185(m) >4	<b>&lt;1</b>	<1	<1
Antimony	ppm	ASTM D5185(m)	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Beryllium	ppm	ASTM D5185(m)	<b>0</b>	0	0
Cadmium	ppm	ASTM D5185(m)	<b>0</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 50	<b>6</b>	6	12
Barium	ppm	ASTM D5185(m) 5	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m) 50	<b>56</b>	58	48
Manganese	ppm	ASTM D5185(m) 0	<b>&lt;1</b>	1	<1
Magnesium	ppm	ASTM D5185(m) 560	<b>637</b>	649	546
Calcium	ppm	ASTM D5185(m) 1510	<b>1683</b>	1842	1484
Phosphorus	ppm	ASTM D5185(m) 780	<b>820</b>	871	707
Zinc	ppm	ASTM D5185(m) 870	<b>955</b>	990	842
Sulfur	ppm	ASTM D5185(m) 2040	<b>2027</b>	2109	1933
Lithium	ppm	ASTM D5185(m)	<b>&lt;1</b>	<1	<1

## CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	<b>4</b>	6	3
Sodium	ppm	ASTM D5185(m)	<b>13</b>	16	3
Potassium	ppm	ASTM D5185(m) >20	<b>&lt;1</b>	1	1

## INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	<b>0</b>	0	0
Nitration	Abs/cm	ASTM D7624*	<b>&gt;20</b>	6.9	10.0
Sulfation	Abs/.1mm	ASTM D7415*	<b>&gt;30</b>	19.4	21.2

## FLUID DEGRADATION

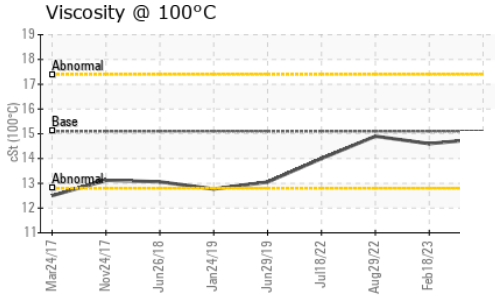
	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	<b>&gt;25</b>	11.0	18.0

## VISUAL

	method	limit/base	current	history1	history2
Emulsified Water	scalar	Visual*	<b>&gt;0.1</b>	<b>NEG</b>	NEG
Free Water	scalar	Visual*	<b>NEG</b>	NEG	NEG

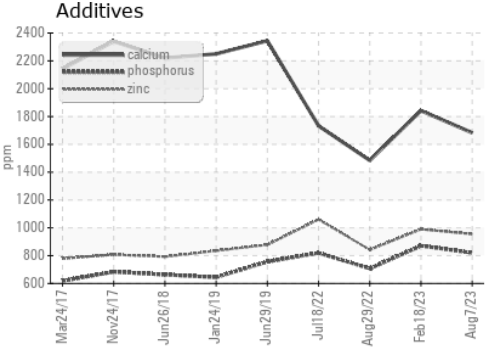
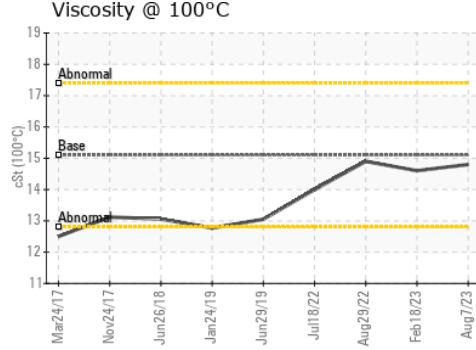
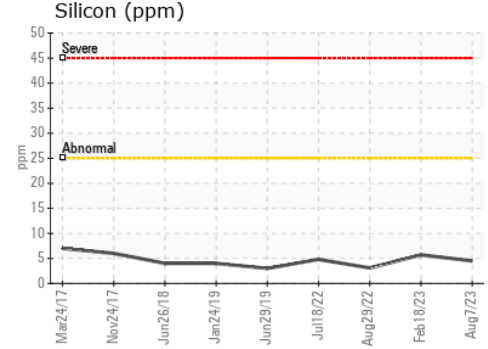
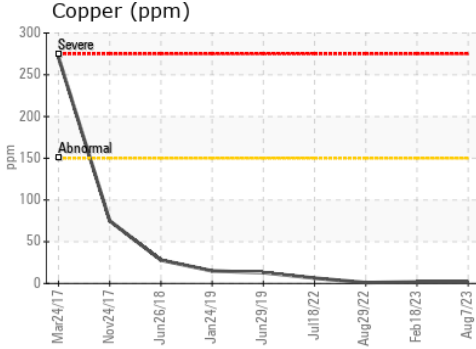
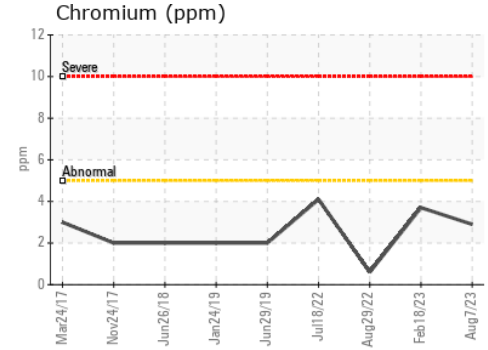
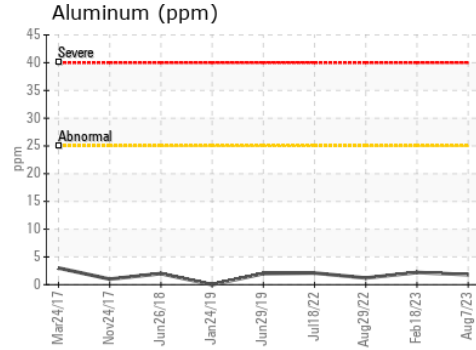
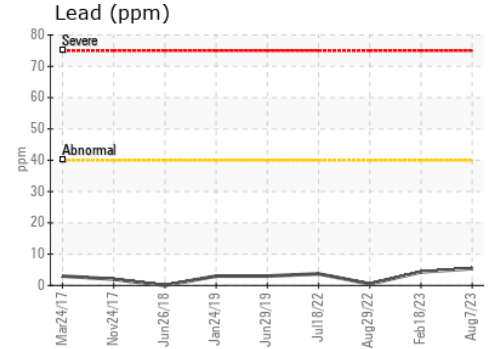
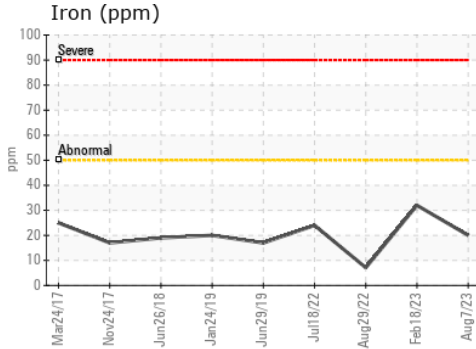


# OIL ANALYSIS REPORT



FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	14.8	14.6	14.9

## GRAPHS



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 554 - Edmonton SW  
**Sample No.** : GFL0090625 **Received** : 21 Aug 2023  
**Lab Number** : 02577037 **Diagnosed** : 21 Aug 2023  
**Unique Number** : 5630097 **Diagnostician** : Wes Davis  
**Test Package** : MOB 1

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.