



Machine Id  
**7106**  
Component  
**Natural Gas Engine**  
Fluid  
**PETRO CANADA DURON GEO LD 15W40 (26 LTR)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>GFL0126208</b>	GFL0097537	GFL0088930
Sample Date		Client Info		<b>23 Jun 2024</b>	27 Dec 2023	24 Jul 2023
Machine Age	hrs	Client Info		<b>16095</b>	14940	13998
Oil Age	hrs	Client Info		<b>1155</b>	942	12992
Filter Age	hrs	Client Info		<b>1155</b>	942	12992
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**

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	<b>19</b>	14	15
Chromium	ppm	ASTM D5185(m)	>4	<b>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	0
Silver	ppm	ASTM D5185(m)	>3	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>9	<b>2</b>	3	2
Lead	ppm	ASTM D5185(m)	>30	<b>4</b>	<1	1
Copper	ppm	ASTM D5185(m)	>35	<b>1</b>	2	2
Tin	ppm	ASTM D5185(m)	>4	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185(m)		<b>0</b>	0	0

**CONTAMINATION**

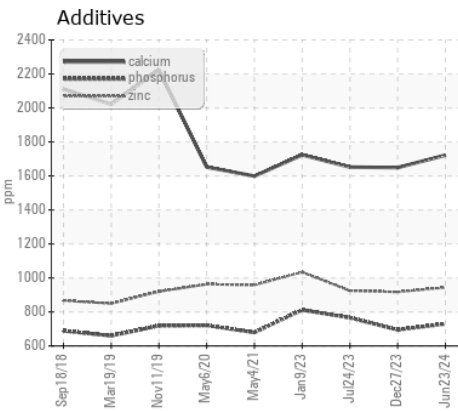
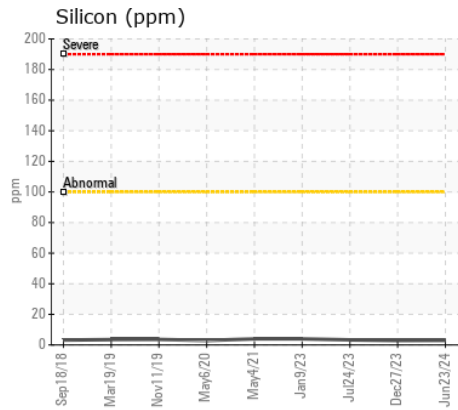
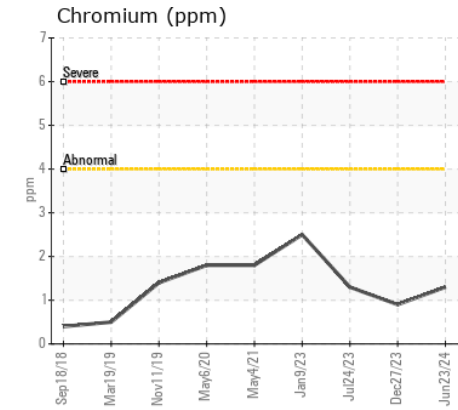
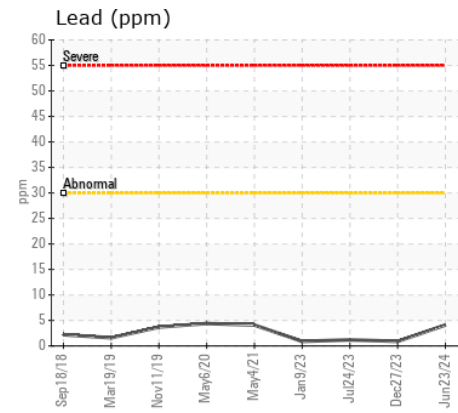
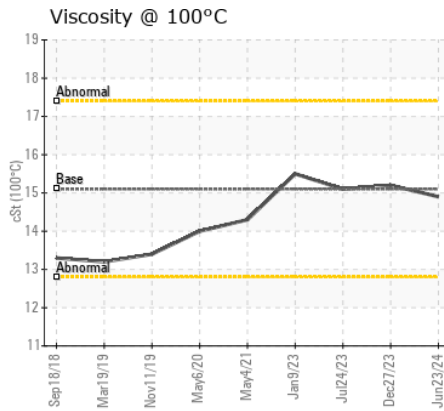
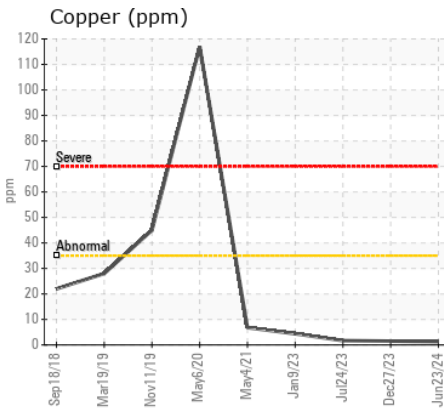
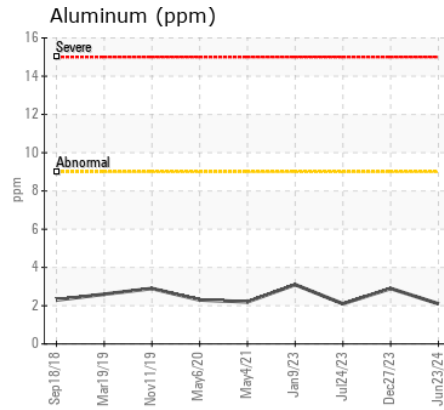
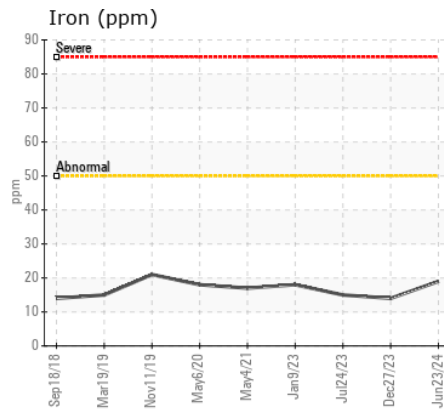
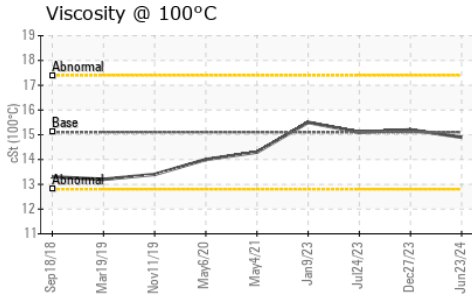
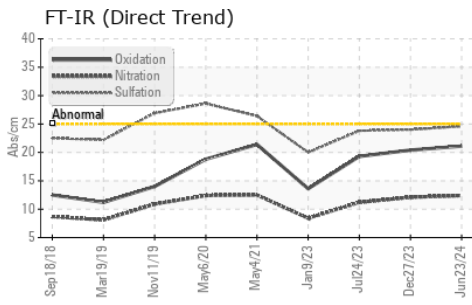
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	<b>3</b>	3	3
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	<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>	12.1	11.2
Sulfation	Abs/.1mm	ASTM D7415*	>30	<b>24.6</b>	24.0	23.8
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>	9	8
Boron	ppm	ASTM D5185(m)	50	<b>7</b>	8	12
Barium	ppm	ASTM D5185(m)	5	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	50	<b>56</b>	54	54
Manganese	ppm	ASTM D5185(m)	0	<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185(m)	560	<b>591</b>	566	584
Calcium	ppm	ASTM D5185(m)	1510	<b>1722</b>	1649	1652
Phosphorus	ppm	ASTM D5185(m)	780	<b>730</b>	695	766
Zinc	ppm	ASTM D5185(m)	870	<b>944</b>	917	925
Sulfur	ppm	ASTM D5185(m)	2040	<b>1985</b>	2071	1994
Oxidation	Abs/.1mm	ASTM D7414*	>25	<b>21.1</b>	20.4	19.3
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	<b>14.9</b>	15.2	15.1



**Laboratory** : WearCheck - C8-1175 Apple Line, Burlington, ON L7L 5H9  
**Sample No.** : GFL0126208 **Received** : 27 Jun 2024  
**Lab Number** : 02644332 **Tested** : 27 Jun 2024  
**Unique Number** : 5801871 **Diagnosed** : 27 Jun 2024 - Wes Davis  
**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.