



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
833062
Component
Natural Gas Engine
Fluid
PETRO CANADA DURON GEO LD 15W40 (24 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0118913	GFL0094404	---
Sample Date		Client Info		07 May 2024	17 Apr 2024	---
Machine Age	hrs	Client Info		1200	1200	---
Oil Age	hrs	Client Info		0	1200	---
Filter Age	hrs	Client Info		0	1200	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	7	41	---
Chromium	ppm	ASTM D5185(m)	>4	0	<1	---
Nickel	ppm	ASTM D5185(m)	>2	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>9	1	4	---
Lead	ppm	ASTM D5185(m)	>30	0	2	---
Copper	ppm	ASTM D5185(m)	>35	2	13	---
Tin	ppm	ASTM D5185(m)	>4	0	1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

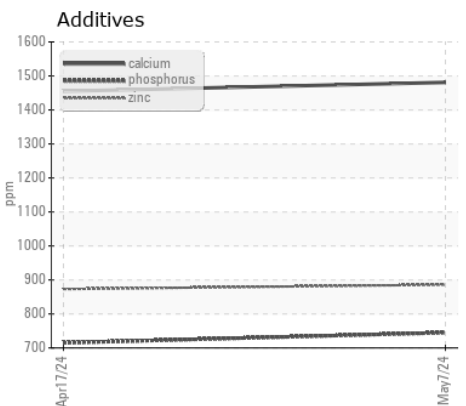
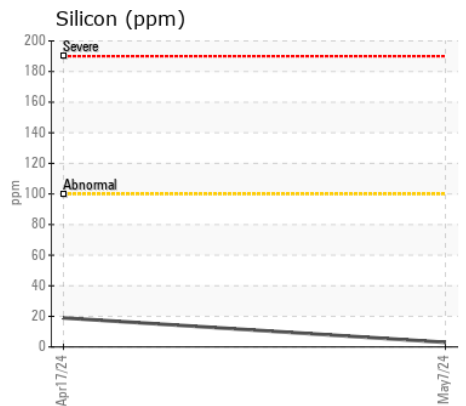
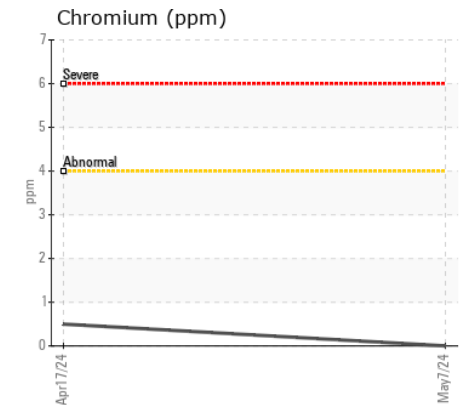
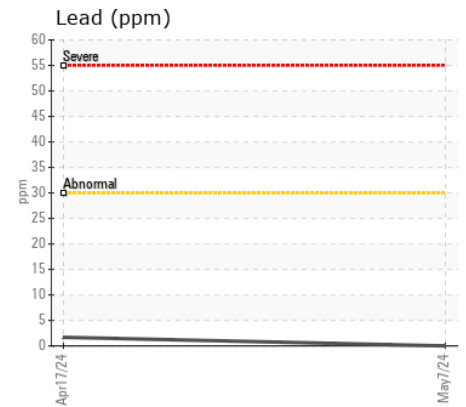
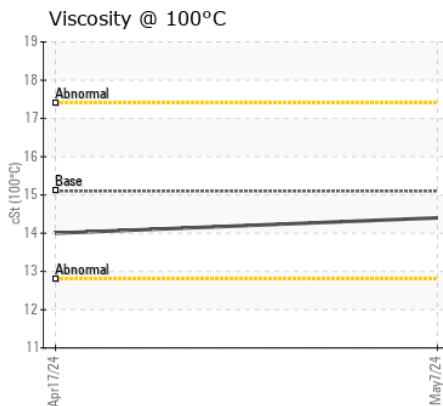
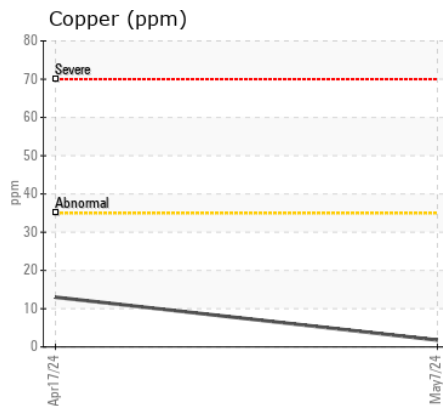
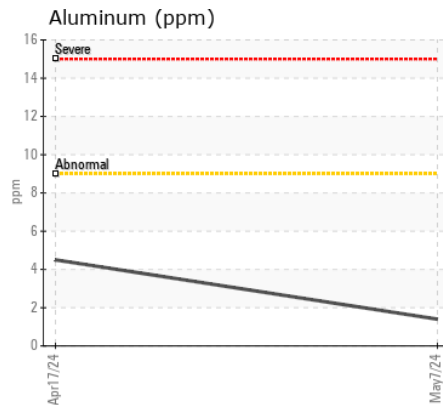
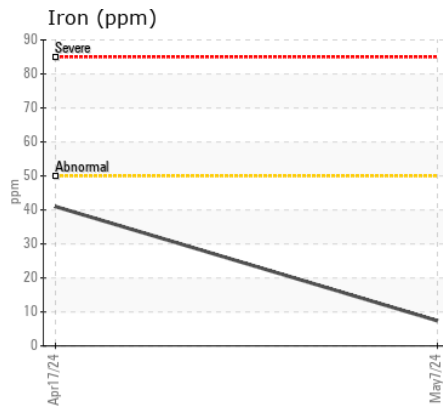
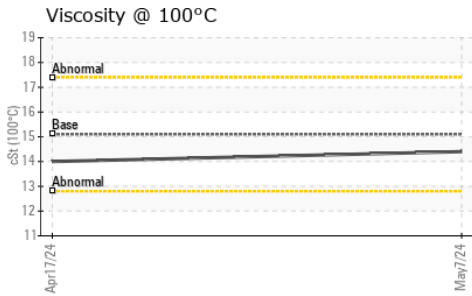
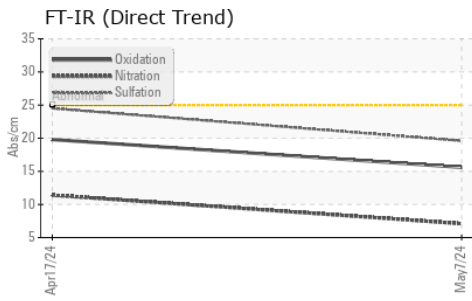
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	3	19	---
Potassium	ppm	ASTM D5185(m)	>20	0	2	---
Water		WC Method	>0.1	NEG	NEG	---
Soot %	%	ASTM D7844*		0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	7.1	11.4	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.6	24.5	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		2	4	---
Boron	ppm	ASTM D5185(m)	50	34	10	---
Barium	ppm	ASTM D5185(m)	5	<1	2	---
Molybdenum	ppm	ASTM D5185(m)	50	53	92	---
Manganese	ppm	ASTM D5185(m)	0	1	9	---
Magnesium	ppm	ASTM D5185(m)	560	578	681	---
Calcium	ppm	ASTM D5185(m)	1510	1481	1455	---
Phosphorus	ppm	ASTM D5185(m)	780	745	715	---
Zinc	ppm	ASTM D5185(m)	870	886	873	---
Sulfur	ppm	ASTM D5185(m)	2040	2051	2091	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.6	19.8	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	14.4	14.0	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0118913
Lab Number : 02634045
Unique Number : 5775198
Test Package : MOB 1
Received : 08 May 2024
Tested : 08 May 2024
Diagnosed : 08 May 2024 - Wes Davis

GFL Environmental - 222 - Sandhill
 SANDHILL DISPOSAL & RECYCLING DIVIS, 19 COMMERCE ROAD
 ORANGEVILLE, ON
 CA L9W 3X5
 Contact: GLENN COOK
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 T: (519)940-4167
 F:

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.