



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
833061
Component
Natural Gas Engine
Fluid
PETRO CANADA DURON GEO LD 15W40 (23 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0118906	GFL0086799	---
Sample Date		Client Info		04 Jul 2024	22 Dec 2023	---
Machine Age	hrs	Client Info		2084	1080	---
Oil Age	hrs	Client Info		1200	0	---
Filter Age	hrs	Client Info		1200	0	---
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	20	46	---
Chromium	ppm	ASTM D5185(m)	>4	<1	1	---
Nickel	ppm	ASTM D5185(m)	>2	<1	1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>3	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>9	3	5	---
Lead	ppm	ASTM D5185(m)	>30	1	2	---
Copper	ppm	ASTM D5185(m)	>35	4	13	---
Tin	ppm	ASTM D5185(m)	>4	<1	1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

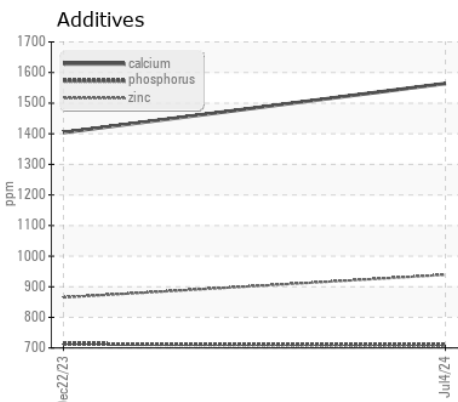
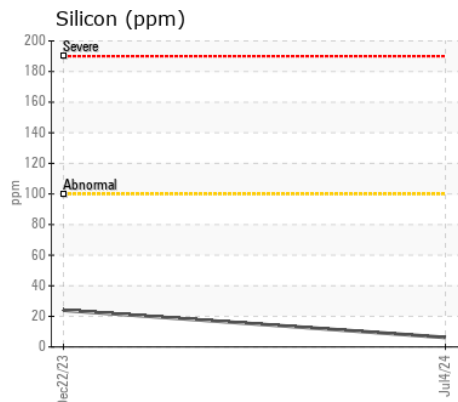
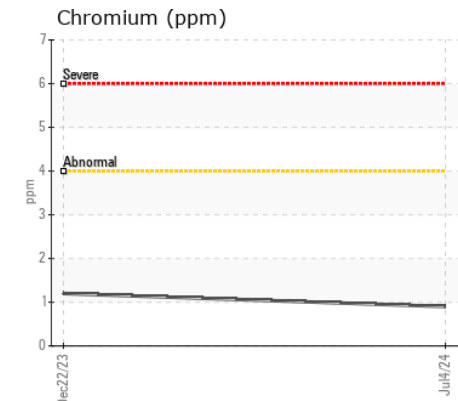
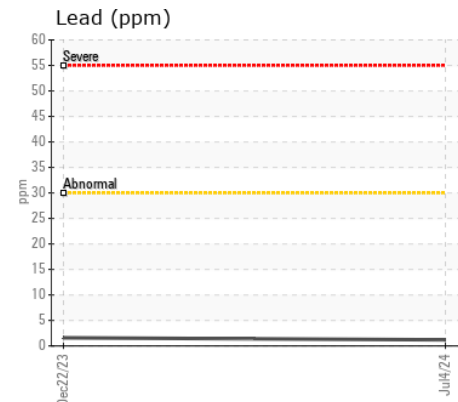
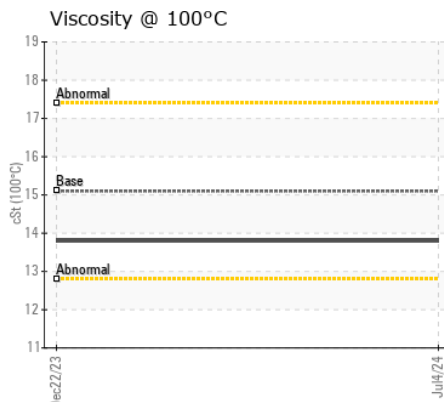
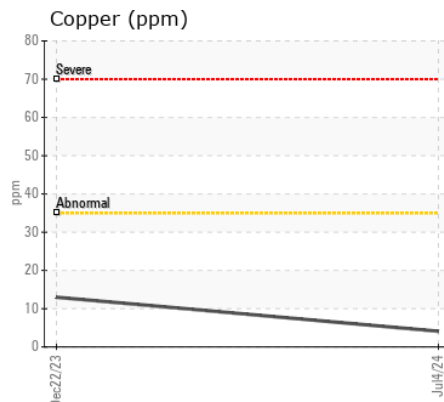
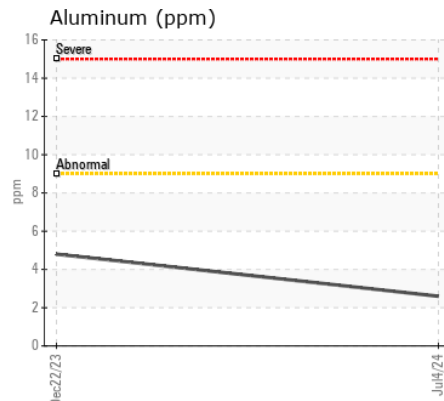
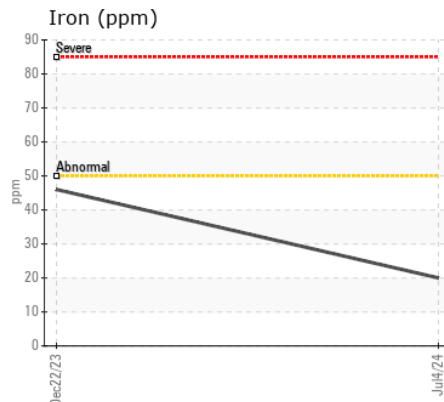
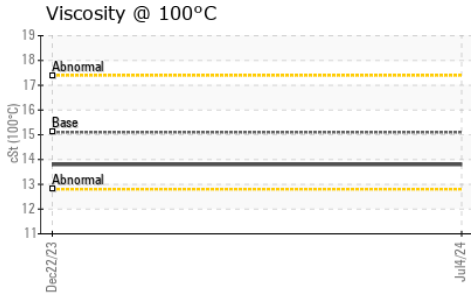
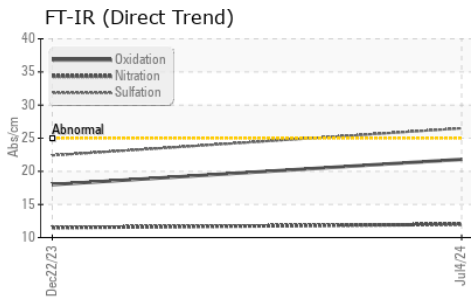
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>+100	6	24	---
Potassium	ppm	ASTM D5185(m)	>20	<1	2	---
Water		WC Method	>0.1	NEG	NEG	---
Soot %	%	ASTM D7844*		0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	12.0	11.5	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	26.5	22.4	---
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)		4	3	---
Boron	ppm	ASTM D5185(m)	50	5	8	---
Barium	ppm	ASTM D5185(m)	5	<1	2	---
Molybdenum	ppm	ASTM D5185(m)	50	59	92	---
Manganese	ppm	ASTM D5185(m)	0	2	11	---
Magnesium	ppm	ASTM D5185(m)	560	551	663	---
Calcium	ppm	ASTM D5185(m)	1510	1564	1404	---
Phosphorus	ppm	ASTM D5185(m)	780	710	713	---
Zinc	ppm	ASTM D5185(m)	870	939	865	---
Sulfur	ppm	ASTM D5185(m)	2040	1992	2267	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	21.8	18.0	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.1	13.8	13.8	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0118906
Lab Number : 02645830
Unique Number : 5803369
Test Package : MOB 1

Received : 05 Jul 2024
Tested : 05 Jul 2024
Diagnosed : 05 Jul 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.