



Machine Id
933010
Component
Natural Gas Engine
Fluid
PETRO CANADA DURON HP 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0112530	GFL0097620	---
Sample Date		Client Info		28 Mar 2024	14 Nov 2023	---
Machine Age	hrs	Client Info		2144	1155	---
Oil Age	hrs	Client Info		0	1155	---
Filter Age	hrs	Client Info		0	1155	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Changed	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>50	29	▲ 71	---
Chromium	ppm	ASTM D5185(m)	>5	1	2	---
Nickel	ppm	ASTM D5185(m)	>4	1	2	---
Titanium	ppm	ASTM D5185(m)	>5	0	0	---
Silver	ppm	ASTM D5185(m)	>3	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>25	14	24	---
Lead	ppm	ASTM D5185(m)	>40	<1	2	---
Copper	ppm	ASTM D5185(m)	>150	4	17	---
Tin	ppm	ASTM D5185(m)	>4	<1	1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

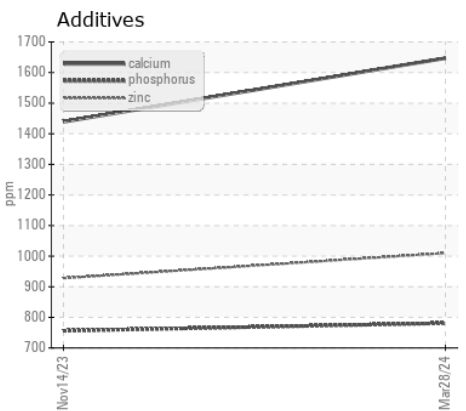
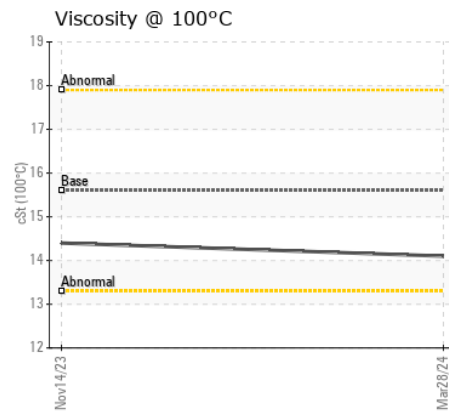
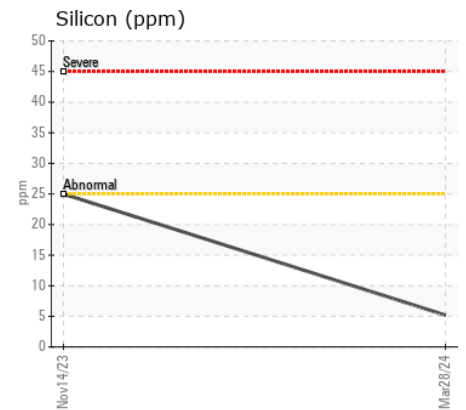
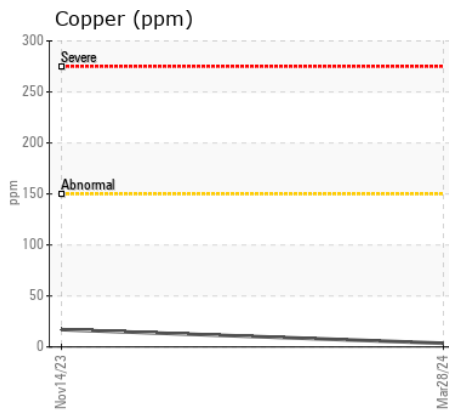
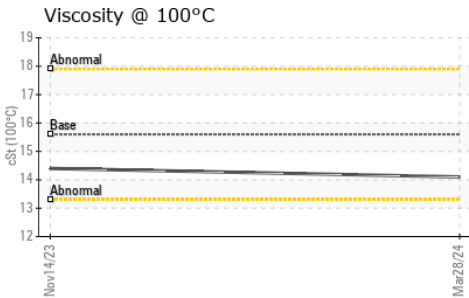
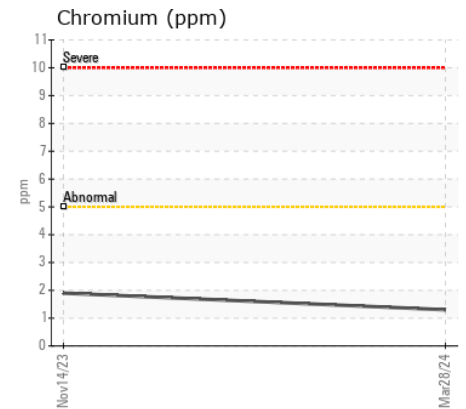
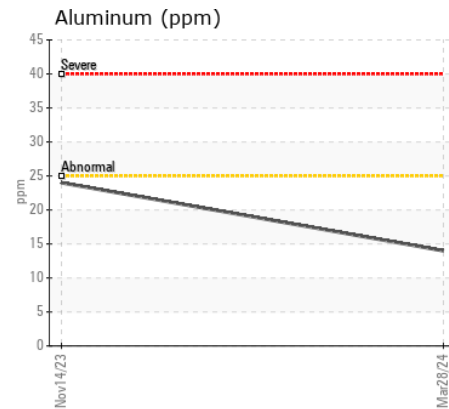
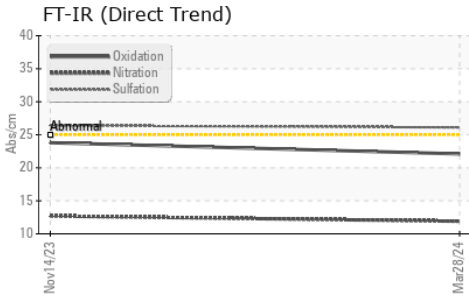
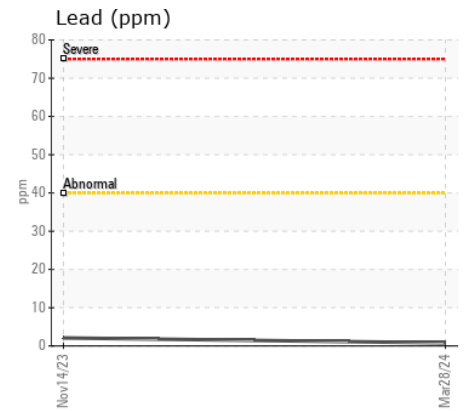
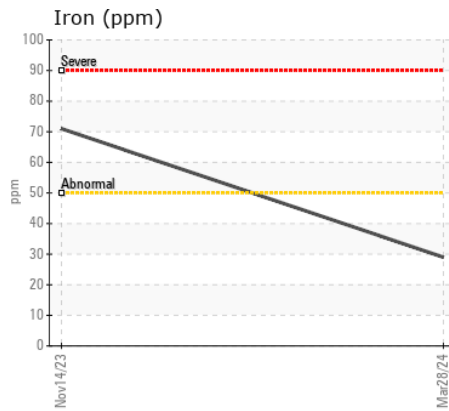
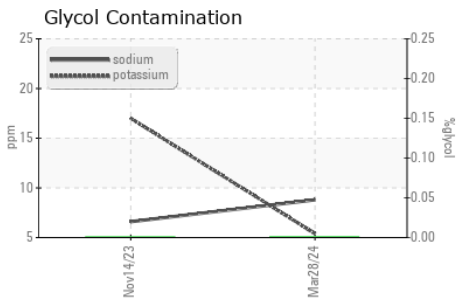
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	5	▲ 25	---
Potassium	ppm	ASTM D5185(m)	>20	5	17	---
Water		WC Method	>0.1	NEG	NEG	---
Glycol	%	ASTM D7922*		0.0	0.0	---
Soot %	%	ASTM D7844*		0	0	---
Nitration	Abs/cm	ASTM D7624*	>20	11.9	12.7	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	26.1	26.4	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	VLITE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
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)		9	7	---
Boron	ppm	ASTM D5185(m)	0	5	8	---
Barium	ppm	ASTM D5185(m)	0	<1	3	---
Molybdenum	ppm	ASTM D5185(m)	60	60	60	---
Manganese	ppm	ASTM D5185(m)	0	2	10	---
Magnesium	ppm	ASTM D5185(m)	1010	701	790	---
Calcium	ppm	ASTM D5185(m)	1070	1647	1439	---
Phosphorus	ppm	ASTM D5185(m)	1150	781	756	---
Zinc	ppm	ASTM D5185(m)	1270	1010	928	---
Sulfur	ppm	ASTM D5185(m)	2060	2025	1909	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	22.1	23.8	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	14.1	14.4	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0112530 **Received** : 09 Apr 2024
Lab Number : 02627583 **Tested** : 09 Apr 2024
Unique Number : 5760715 **Diagnosed** : 09 Apr 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: Glycol, Visual)

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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.