



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
INTERNATIONAL 728105
 Component
Diesel 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		GFL0122265	GFL0071139	---
Sample Date		Client Info		28 May 2024	11 Apr 2023	---
Machine Age	hrs	Client Info		14639	246027	---
Oil Age	hrs	Client Info		407	0	---
Filter Age	hrs	Client Info		407	0	---
Oil Changed		Client Info		Changed	N/A	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	9	23	---
Chromium	ppm	ASTM D5185(m)	>20	0	<1	---
Nickel	ppm	ASTM D5185(m)	>4	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	1	6	---
Lead	ppm	ASTM D5185(m)	>40	0	3	---
Copper	ppm	ASTM D5185(m)	>330	2	125	---
Tin	ppm	ASTM D5185(m)	>15	0	<1	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

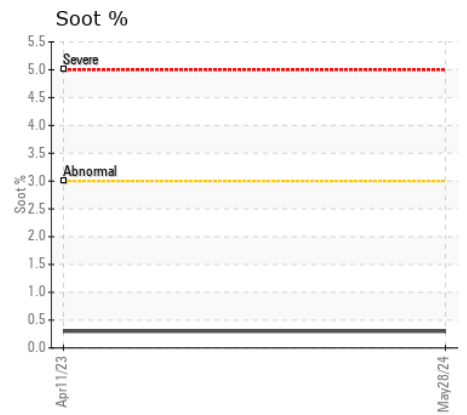
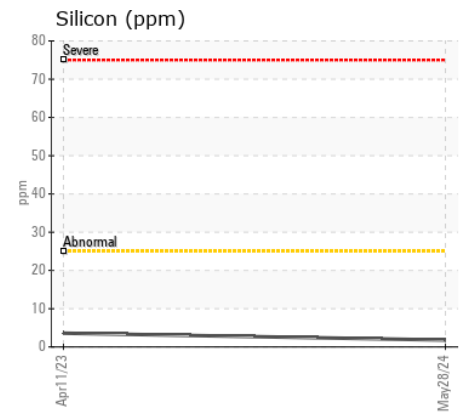
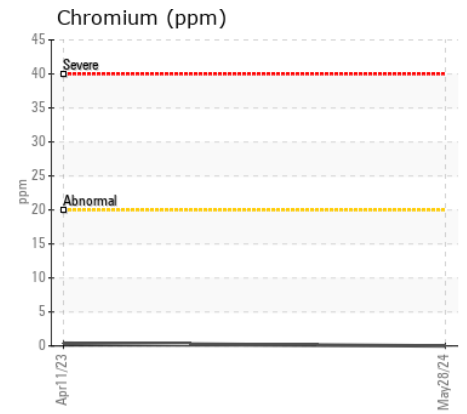
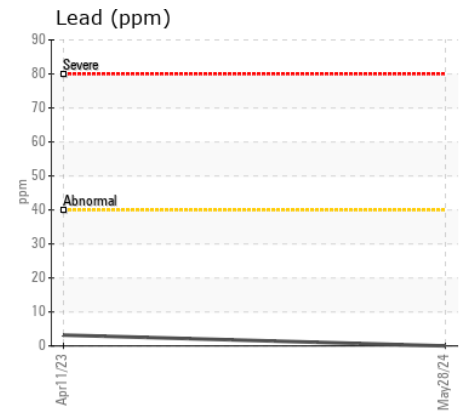
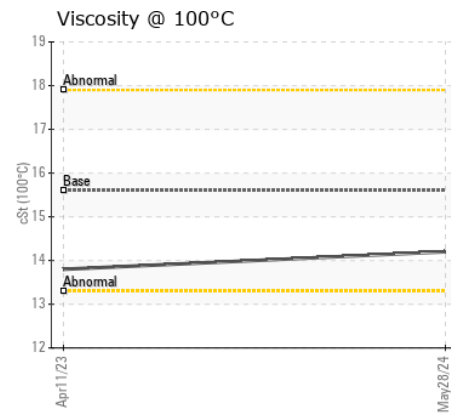
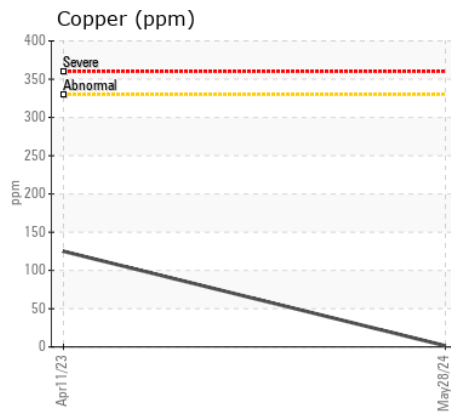
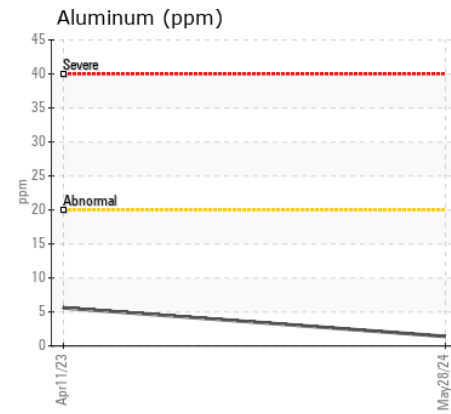
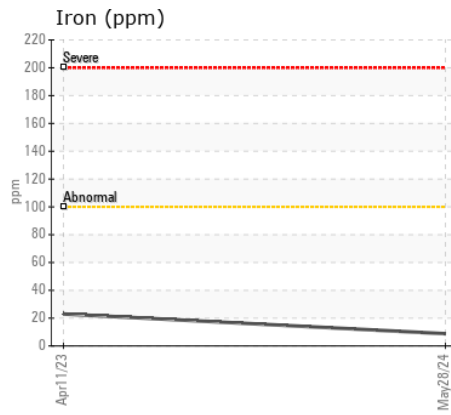
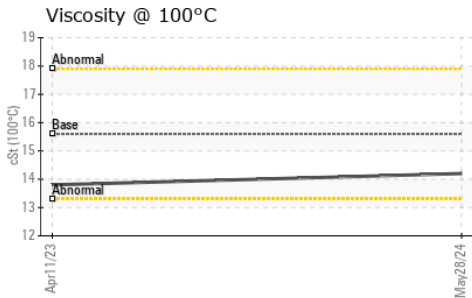
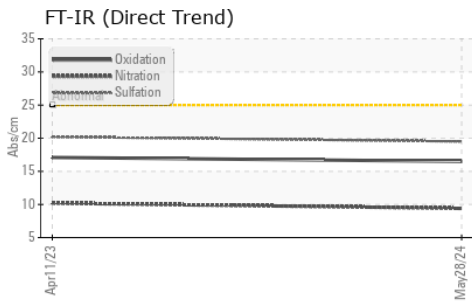
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	2	4	---
Potassium	ppm	ASTM D5185(m)	>20	<1	0	---
Fuel		WC Method	>2.0	<1.0	<1.0	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0.3	0.3	---
Nitration	Abs/cm	ASTM D7624*	>20	9.4	10.2	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.5	20.2	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		1	6	---
Boron	ppm	ASTM D5185(m)	0	3	3	---
Barium	ppm	ASTM D5185(m)	0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	60	61	61	---
Manganese	ppm	ASTM D5185(m)	0	0	<1	---
Magnesium	ppm	ASTM D5185(m)	1010	977	930	---
Calcium	ppm	ASTM D5185(m)	1070	1064	1098	---
Phosphorus	ppm	ASTM D5185(m)	1150	1003	943	---
Zinc	ppm	ASTM D5185(m)	1270	1201	1167	---
Sulfur	ppm	ASTM D5185(m)	2060	2550	2298	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.5	17.1	---
Visc @ 100°C	cSt	ASTM D7279(m)	15.6	14.2	13.8	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0122265
Lab Number : 02640178
Unique Number : 5789340
Test Package : MOB 1
Received : 06 Jun 2024
Tested : 06 Jun 2024
Diagnosed : 06 Jun 2024 - Wes Davis

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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.