



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
101023
Component
Diesel Engine
Fluid
PETRO CANADA DURON SHP 10W30 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0107927	GFL0107912	---
Sample Date		Client Info		08 May 2024	14 Feb 2024	---
Machine Age	hrs	Client Info		16025	15494	---
Oil Age	hrs	Client Info		400	0	---
Filter Age	hrs	Client Info		400	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)	>100	21	28	---
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>4	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)	>3	0	0	---
Aluminum	ppm	ASTM D5185(m)	>20	5	9	---
Lead	ppm	ASTM D5185(m)	>40	0	<1	---
Copper	ppm	ASTM D5185(m)	>330	3	2	---
Tin	ppm	ASTM D5185(m)	>15	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

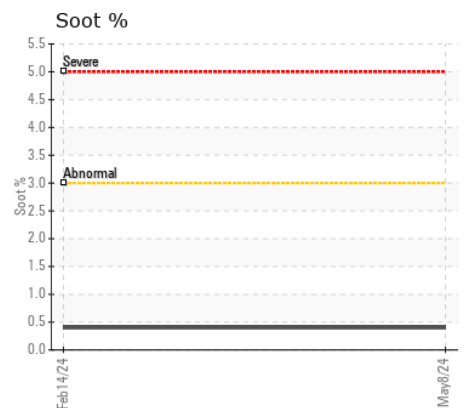
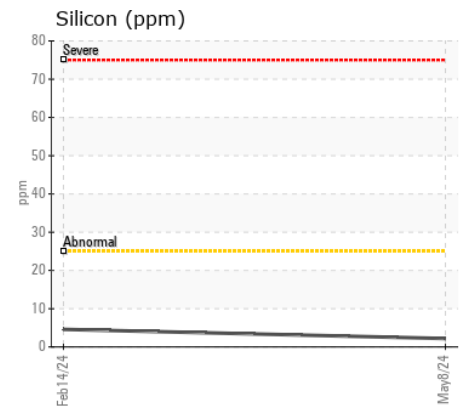
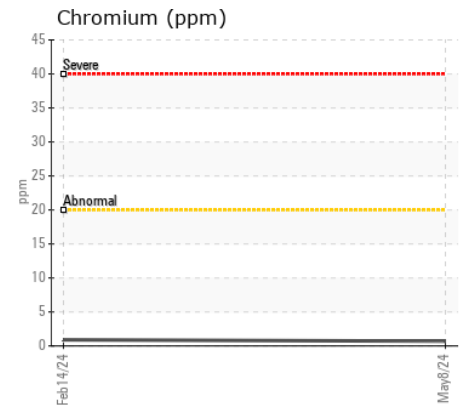
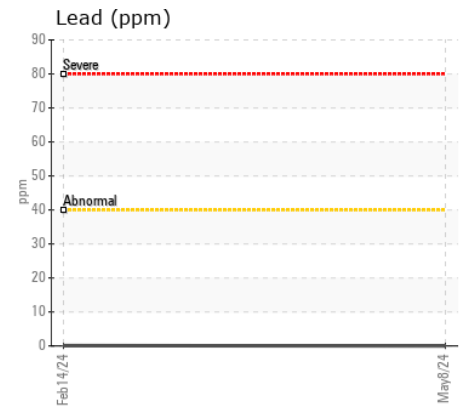
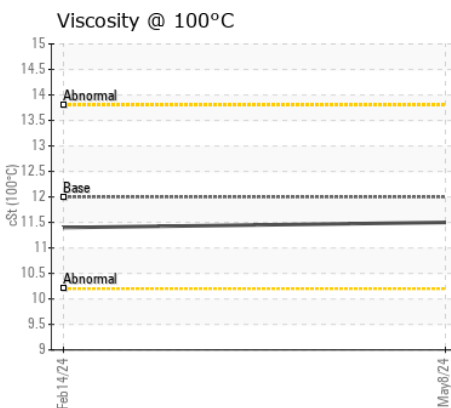
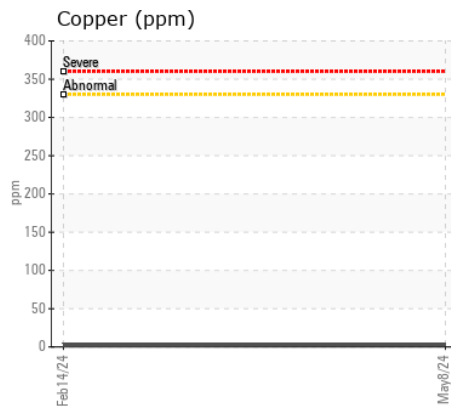
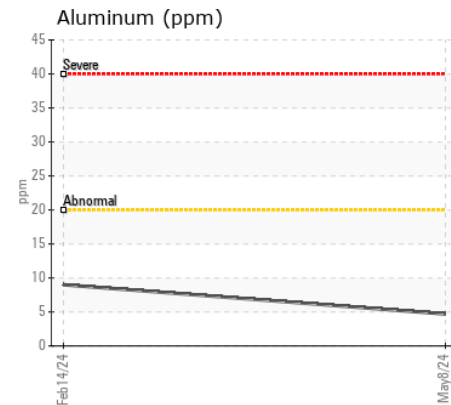
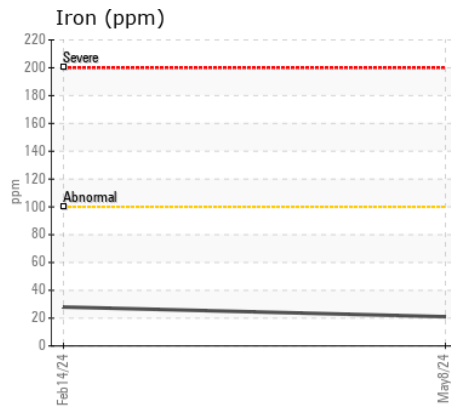
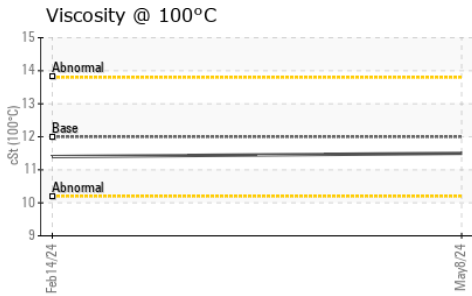
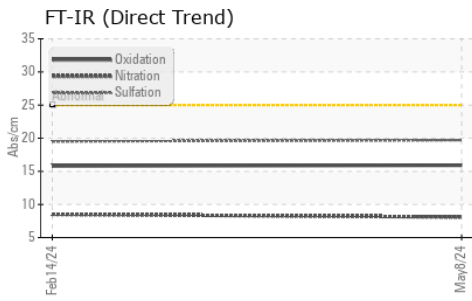
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	2	5	---
Potassium	ppm	ASTM D5185(m)	>20	4	13	---
Fuel		WC Method	>5	<1.0	0.8	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	NEG	---
Soot %	%	ASTM D7844*	>3	0.4	0.4	---
Nitration	Abs/cm	ASTM D7624*	>20	8.1	8.5	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.7	19.5	---
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)		2	4	---
Boron	ppm	ASTM D5185(m)	2	2	1	---
Barium	ppm	ASTM D5185(m)	0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	50	59	60	---
Manganese	ppm	ASTM D5185(m)	0	<1	0	---
Magnesium	ppm	ASTM D5185(m)	950	967	981	---
Calcium	ppm	ASTM D5185(m)	1050	1072	1070	---
Phosphorus	ppm	ASTM D5185(m)	995	978	1047	---
Zinc	ppm	ASTM D5185(m)	1180	1195	1193	---
Sulfur	ppm	ASTM D5185(m)	2600	2482	2754	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	15.9	15.8	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.5	11.4	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0107927
Lab Number : 02634504
Unique Number : 5775657
Test Package : MOB 1

GFL Environmental - 350 - Emerald Park Regina
 2B Industrial Drive., Great Plains Industrial Park,
 Emerald Park, SK
 CA S4L 1B6
 Contact: Kim Cunningham
 kcunningham@gflenv.com

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.

T:
F: