



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
101025
 Component
Diesel Engine
 Fluid
PETRO CANADA DURON SHP 10W30 (40 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0107926	GFL0006023	---
Sample Date		Client Info		07 May 2024	19 May 2020	---
Machine Age	kms	Client Info		148126	10700	---
Oil Age	kms	Client Info		0	600	---
Filter Age	kms	Client Info		0	600	---
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	9	15	---
Chromium	ppm	ASTM D5185(m)	>20	<1	1	---
Nickel	ppm	ASTM D5185(m)	>4	0	<1	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>3	0	<1	---
Aluminum	ppm	ASTM D5185(m)	>20	2	7	---
Lead	ppm	ASTM D5185(m)	>40	<1	0	---
Copper	ppm	ASTM D5185(m)	>330	3	4	---
Tin	ppm	ASTM D5185(m)	>15	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---

CONTAMINATION

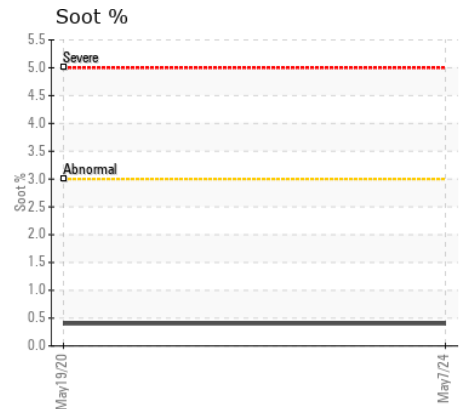
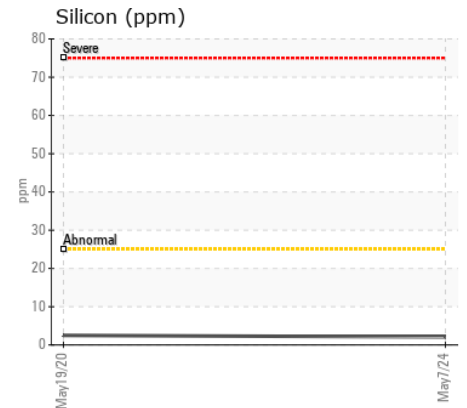
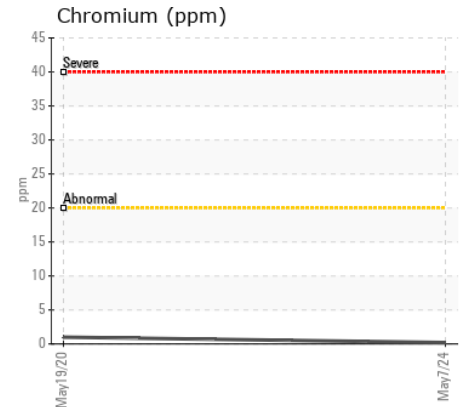
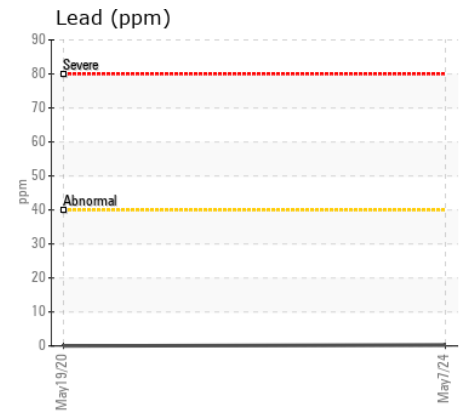
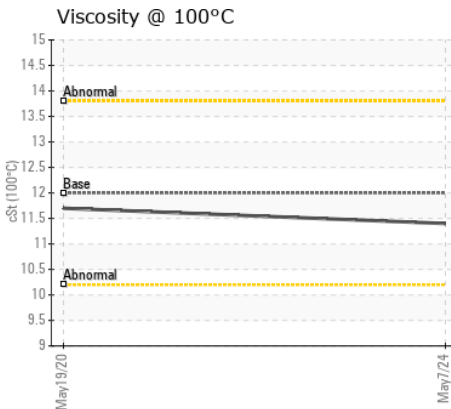
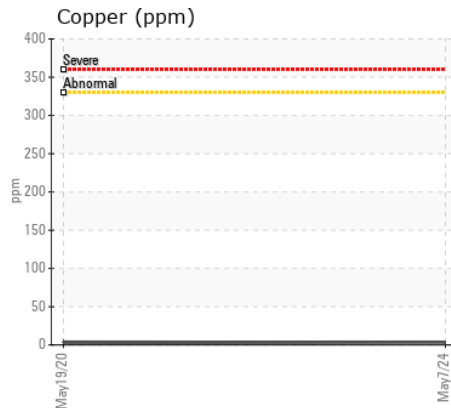
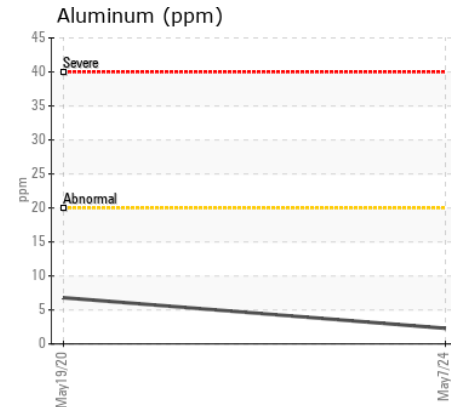
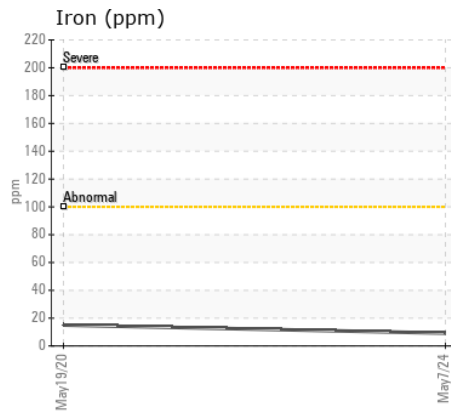
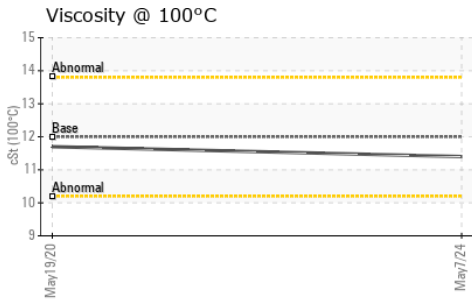
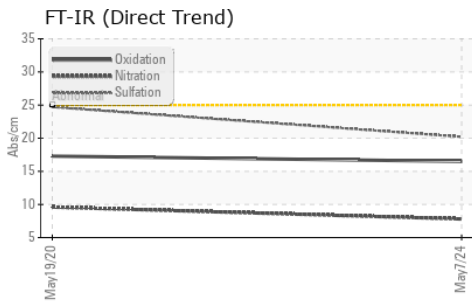
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>25	2	2	---
Potassium	ppm	ASTM D5185(m)	>20	3	12	---
Fuel		WC Method	>5	<1.0	0.3	---
Water		WC Method	>0.2	NEG	NEG	---
Glycol		WC Method		NEG	0.0	---
Soot %	%	ASTM D7844*	>3	0.4	0.4	---
Nitration	Abs/cm	ASTM D7624*	>20	7.8	9.6	---
Sulfation	Abs/.1mm	ASTM D7415*	>30	20.2	24.7	---
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	2	---
Boron	ppm	ASTM D5185(m)	2	8	2	---
Barium	ppm	ASTM D5185(m)	0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	50	47	61	---
Manganese	ppm	ASTM D5185(m)	0	0	<1	---
Magnesium	ppm	ASTM D5185(m)	950	782	1008	---
Calcium	ppm	ASTM D5185(m)	1050	1054	1067	---
Phosphorus	ppm	ASTM D5185(m)	995	838	1052	---
Zinc	ppm	ASTM D5185(m)	1180	1065	1270	---
Sulfur	ppm	ASTM D5185(m)	2600	2083	2571	---
Oxidation	Abs/.1mm	ASTM D7414*	>25	16.5	17.3	---
Visc @ 100°C	cSt	ASTM D7279(m)	12.00	11.4	11.7	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0107926
Lab Number : 02634503
Unique Number : 5775656
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

Received : 10 May 2024
Tested : 10 May 2024
Diagnosed : 10 May 2024 - Kevin Marson

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: