



Machine Id
OR564
Component
Front Differential
Fluid
PETRO CANADA DURATRAN (22 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment:
Top Up Amount: 8 LTR)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0113417	GFL0092217	GFL0087401
Sample Date		Client Info		25 Apr 2024	09 Feb 2024	22 Aug 2023
Machine Age	hrs	Client Info		21261	20550	18697
Oil Age	hrs	Client Info		10000	16204	16204
Filter Age	hrs	Client Info		10000	16204	500
Oil Changed		Client Info		Oil Added	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>420	7	7	7
Chromium	ppm	ASTM D5185(m)	>4	0	0	0
Nickel	ppm	ASTM D5185(m)	>4	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>5	<1	1	<1
Lead	ppm	ASTM D5185(m)	>95	42	39	51
Copper	ppm	ASTM D5185(m)	>170	33	29	41
Tin	ppm	ASTM D5185(m)	>15	<1	<1	1
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

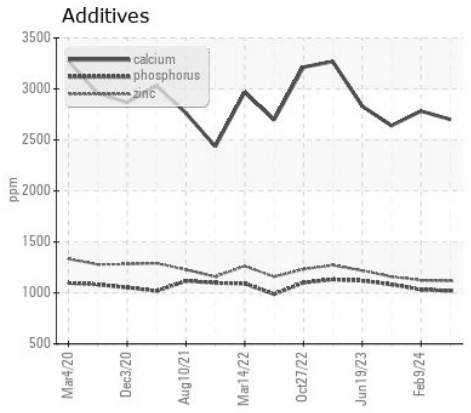
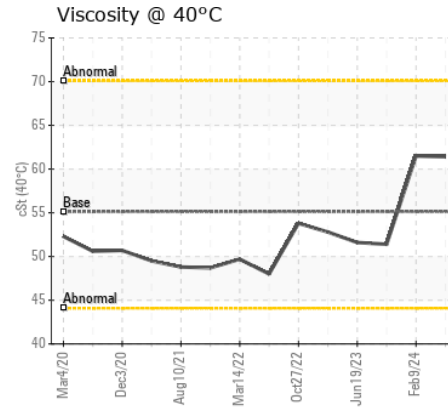
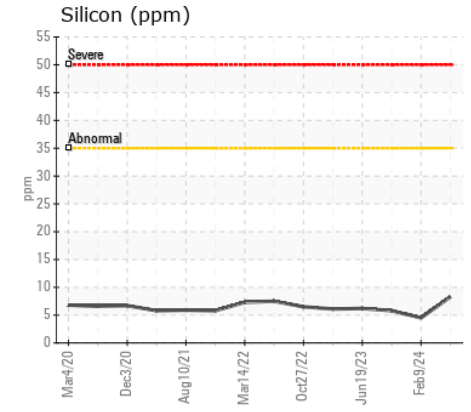
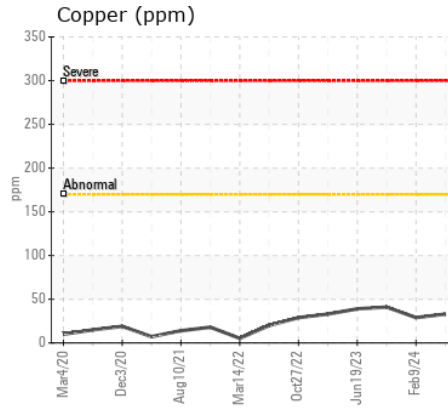
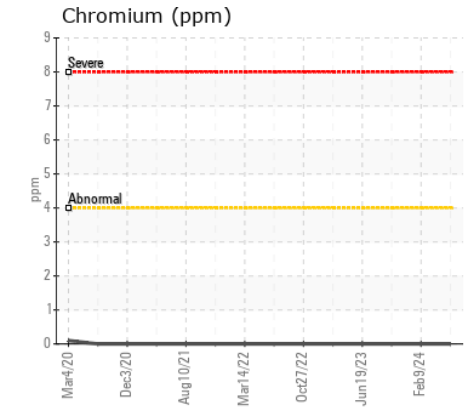
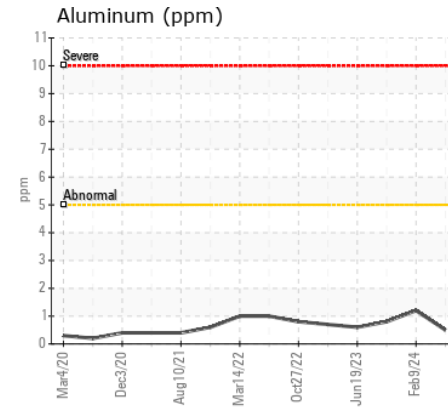
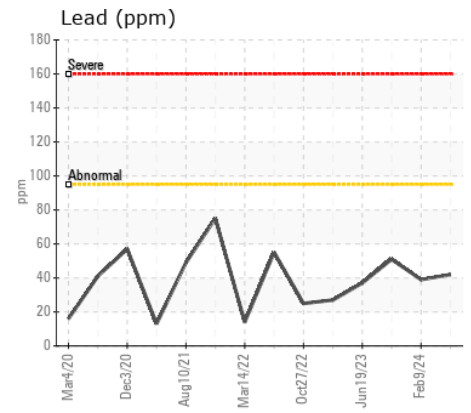
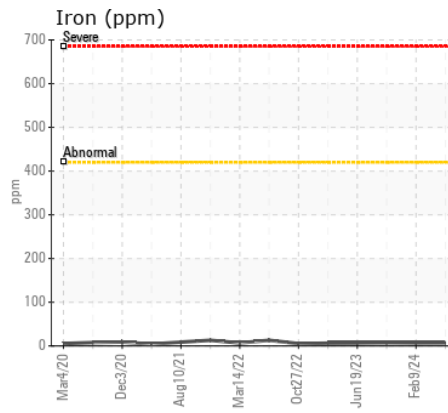
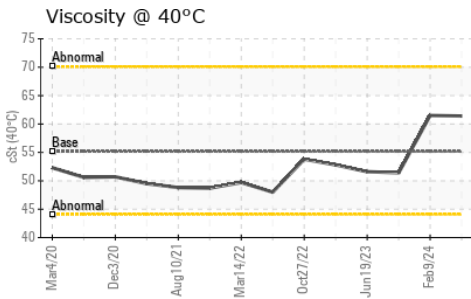
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>35	8	4	6
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	1
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		2	2	3
Boron	ppm	ASTM D5185(m)	110	40	42	74
Barium	ppm	ASTM D5185(m)	0.0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0.0	<1	1	2
Manganese	ppm	ASTM D5185(m)	1	0	0	0
Magnesium	ppm	ASTM D5185(m)	13	30	30	28
Calcium	ppm	ASTM D5185(m)	3610	2700	2783	2640
Phosphorus	ppm	ASTM D5185(m)	1192	1021	1032	1083
Zinc	ppm	ASTM D5185(m)	1455	1117	1124	1159
Sulfur	ppm	ASTM D5185(m)	2641	2918	3094	2576
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	61.4	61.5	51.4



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0113417
Lab Number : 02632845
Unique Number : 5773998
Test Package : MOB 1
Received : 02 May 2024
Tested : 02 May 2024
Diagnosed : 02 May 2024 - Kevin Marson

GFL Environmental - 720 - Lafleche - Landfill
 17125 Lafleche Road,
 Moose Creek, ON
 CA K0C 1W0
 Contact: Charles Bergeron
 cbergeron@gflenv.com
 T: (613)538-4853
 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.