



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
Or392
 Component
Rear Differential
 Fluid
PETRO CANADA DURATRAN (22 LTR)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0113430	GFL0092312	GFL0056416
Sample Date		Client Info		28 May 2024	09 Feb 2024	12 Jun 2023
Machine Age	hrs	Client Info		9715	9715	8240
Oil Age	hrs	Client Info		1322	898	1400
Filter Age	hrs	Client Info		1322	500	1400
Oil Changed		Client Info		Not Changd	Not Changd	Changed
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	51	97	250
Chromium	ppm	ASTM D5185(m)	>10	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	<1	2	1
Titanium	ppm	ASTM D5185(m)		0	0	<1
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<1	2	2
Lead	ppm	ASTM D5185(m)	>25	<1	1	2
Copper	ppm	ASTM D5185(m)	>100	17	14	14
Tin	ppm	ASTM D5185(m)	>10	<1	1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	<1
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

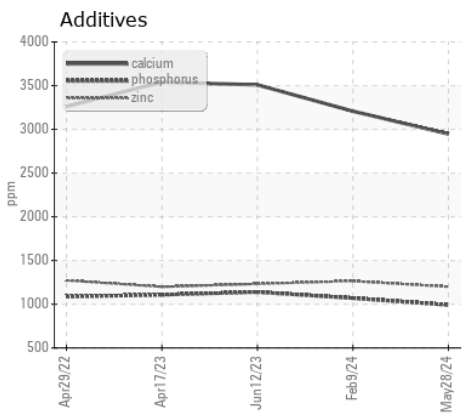
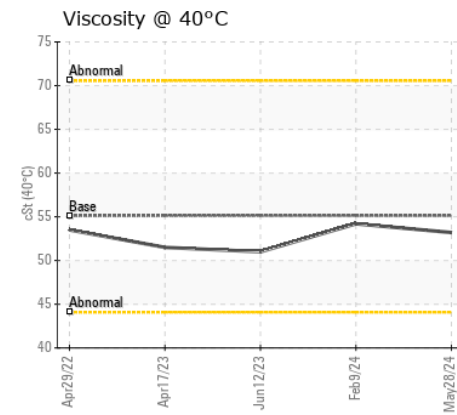
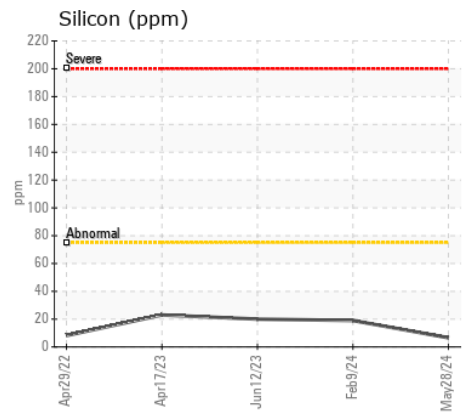
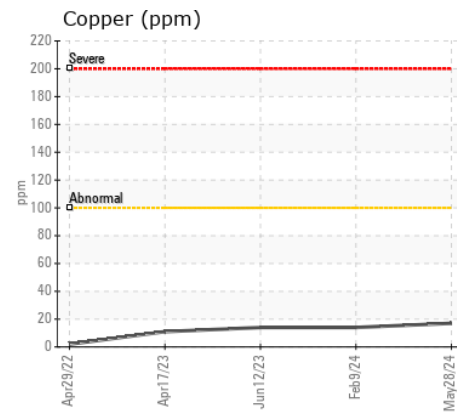
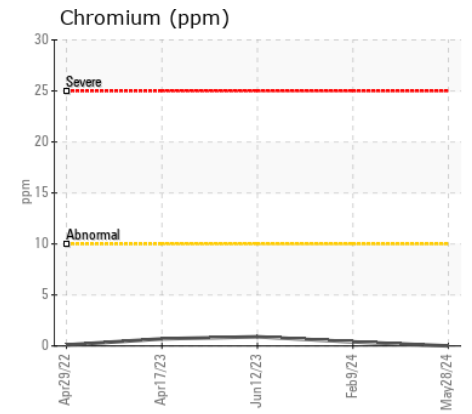
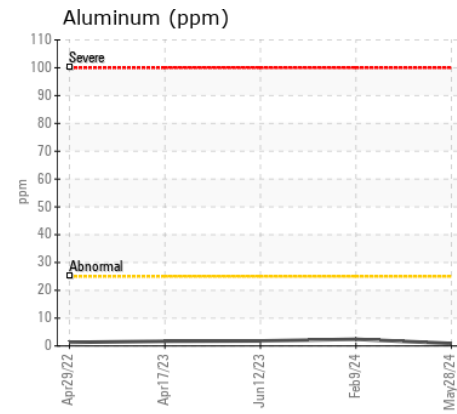
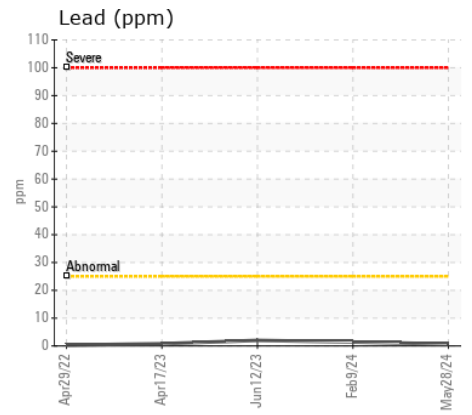
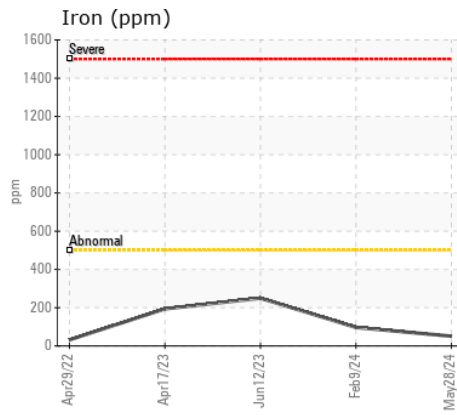
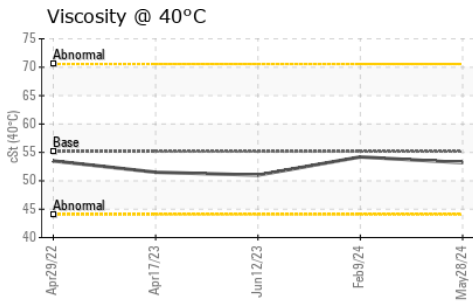
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	7	19	20
Potassium	ppm	ASTM D5185(m)	>20	0	<1	2
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	VLITE	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)		<1	<1	6
Boron	ppm	ASTM D5185(m)	110	63	71	4
Barium	ppm	ASTM D5185(m)	0.0	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0.0	1	2	1
Manganese	ppm	ASTM D5185(m)	1	<1	<1	2
Magnesium	ppm	ASTM D5185(m)	13	34	39	104
Calcium	ppm	ASTM D5185(m)	3610	2947	3208	3509
Phosphorus	ppm	ASTM D5185(m)	1192	992	1070	1139
Zinc	ppm	ASTM D5185(m)	1455	1200	1265	1233
Sulfur	ppm	ASTM D5185(m)	2641	2989	3145	3328
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	53.2	54.2	51.0



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0113430
Lab Number : 02639225
Unique Number : 5788387
Test Package : MOB 1
Received : 31 May 2024
Tested : 31 May 2024
Diagnosed : 31 May 2024 - Wes Davis

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.