



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
OR962

Component
Rear Differential

Fluid
PETRO CANADA PRODURO TO-4 SAE 30 (32 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0113333	GFL0092255	GFL0056456
Sample Date		Client Info		17 Apr 2024	19 Jan 2024	25 Apr 2023
Machine Age	hrs	Client Info		14420	13733	11728
Oil Age	hrs	Client Info		12415	1348	796
Filter Age	hrs	Client Info		12415	1348	796
Oil Changed		Client Info		N/A	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	10	7	19
Chromium	ppm	ASTM D5185(m)	>3	0	0	0
Nickel	ppm	ASTM D5185(m)	>3	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>30	<1	1	1
Lead	ppm	ASTM D5185(m)	>13	0	0	0
Copper	ppm	ASTM D5185(m)	>103	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>5	0	0	0
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

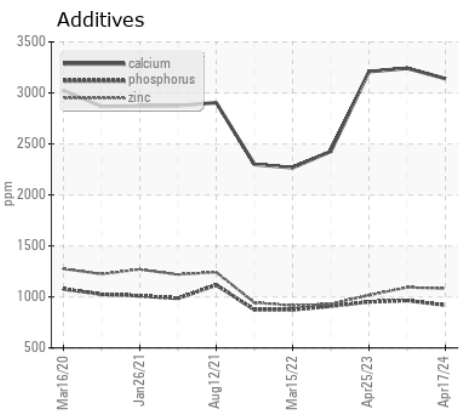
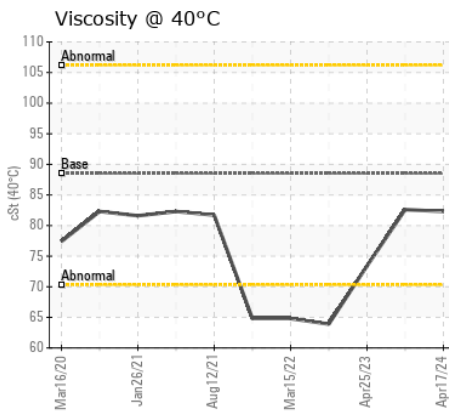
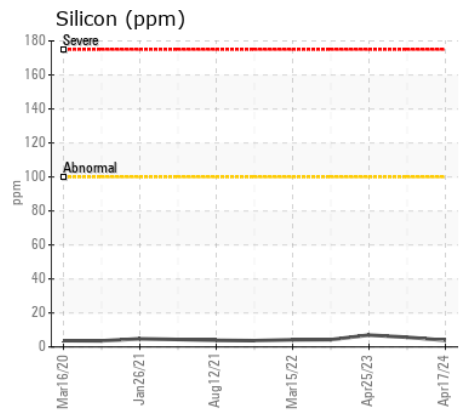
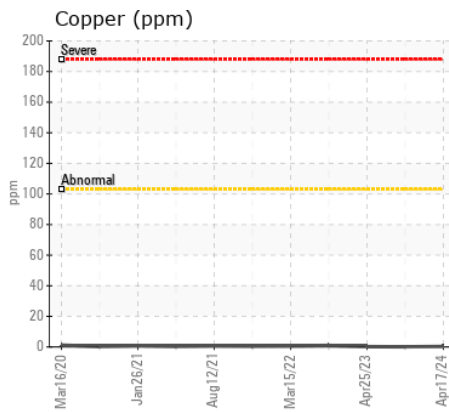
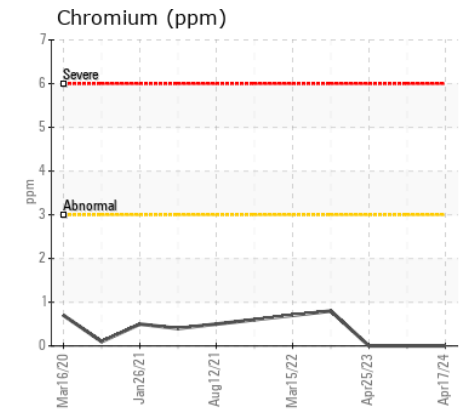
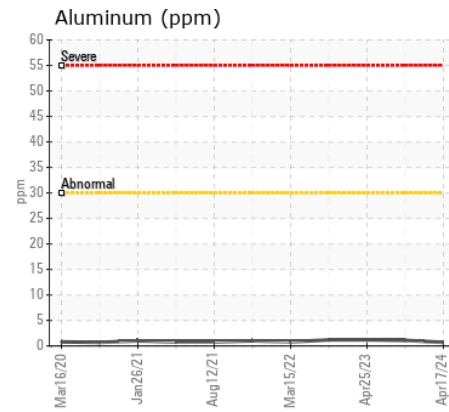
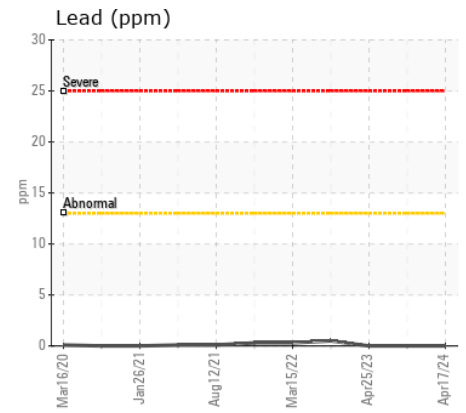
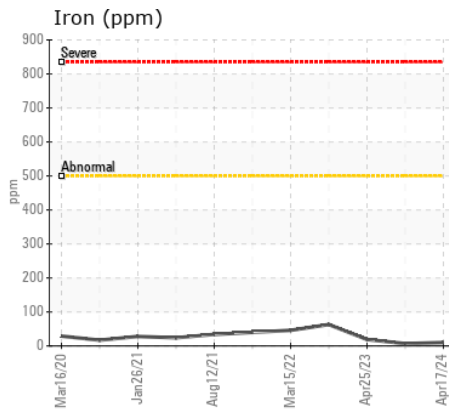
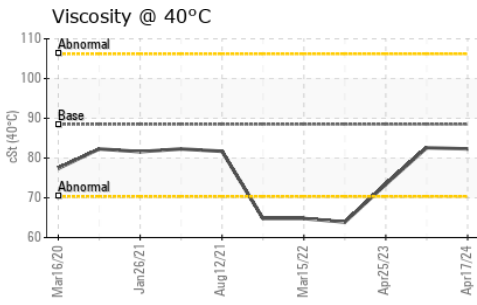
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>100	4	6	7
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)		1	<1	<1
Boron	ppm	ASTM D5185(m)	2	8	6	18
Barium	ppm	ASTM D5185(m)	0	<1	0	<1
Molybdenum	ppm	ASTM D5185(m)	0	2	2	4
Manganese	ppm	ASTM D5185(m)	9	0	0	<1
Magnesium	ppm	ASTM D5185(m)	1	41	41	59
Calcium	ppm	ASTM D5185(m)	3131	3140	3242	3209
Phosphorus	ppm	ASTM D5185(m)	1194	919	965	951
Zinc	ppm	ASTM D5185(m)	1281	1083	1093	1016
Sulfur	ppm	ASTM D5185(m)	3811	3107	3612	3068
Visc @ 40°C	cSt	ASTM D7279(m)	88.5	82.3	82.6	73.4



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0113333 **Received** : 23 Apr 2024
Lab Number : 02631036 **Tested** : 23 Apr 2024
Unique Number : 5772189 **Diagnosed** : 23 Apr 2024 - Wes Davis
Test Package : MOB 1

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.