



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
OR342

Component
Left Final Drive

Fluid
PETRO CANADA TRAXON XL SYN BLEND 80W140 (12 LTR)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor. (Customer Sample Comment:
Top Up Amount: 2)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0113395	GFL0056401	GFL0030493
Sample Date		Client Info		22 May 2024	31 May 2023	02 Dec 2021
Machine Age	hrs	Client Info		19943	19943	17348
Oil Age	hrs	Client Info		19943	1000	1000
Filter Age	hrs	Client Info		19943	1000	0
Oil Changed		Client Info		Oil Added	Changed	Changed
Filter Changed		Client Info		N/A	N/A	None
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>800	55	672	179
Chromium	ppm	ASTM D5185(m)	>10	<1	▲ 12	3
Nickel	ppm	ASTM D5185(m)	>5	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>15	<1	9	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>75	3	● 169	16
Lead	ppm	ASTM D5185(m)	>10	0	<1	<1
Copper	ppm	ASTM D5185(m)	>75	<1	3	1
Tin	ppm	ASTM D5185(m)	>8	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	1	<1
White Metal	scalar	Visual*	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

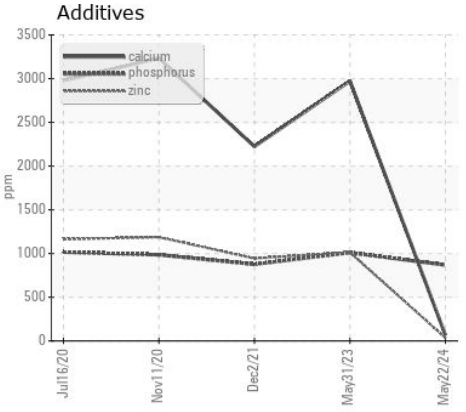
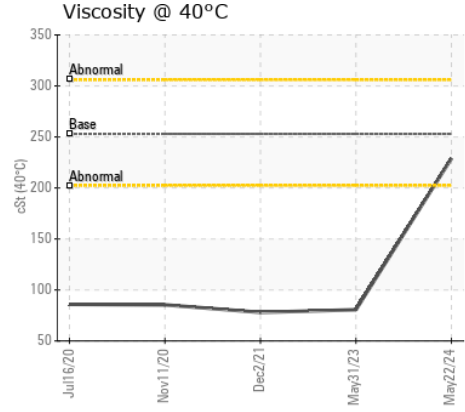
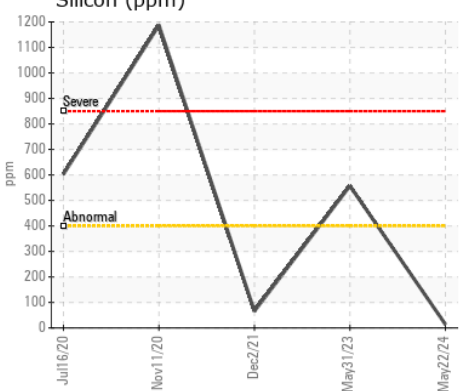
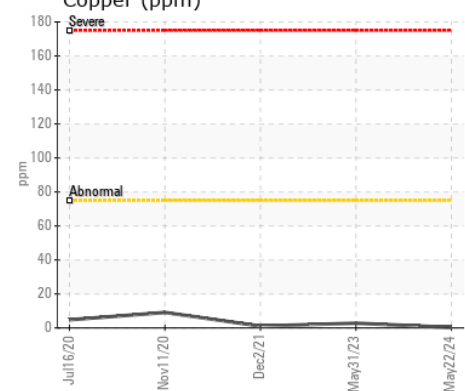
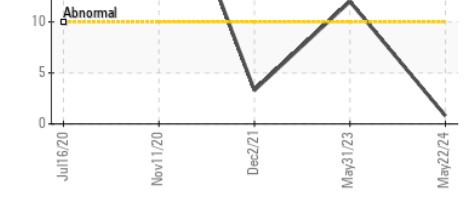
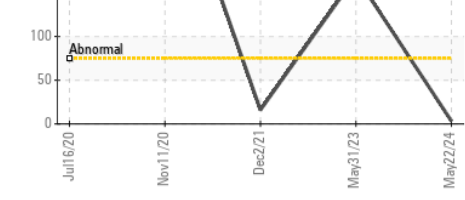
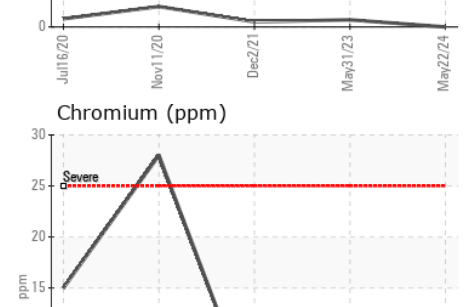
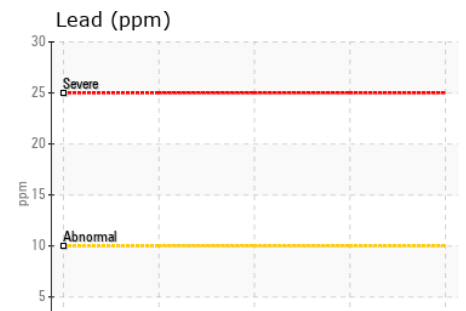
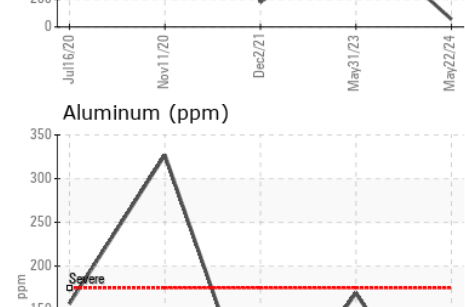
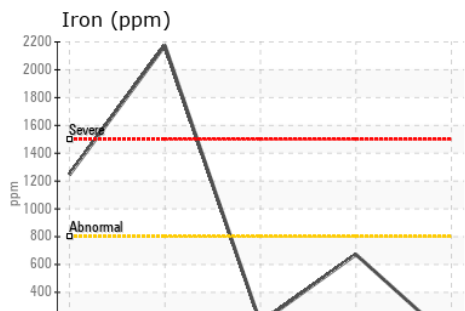
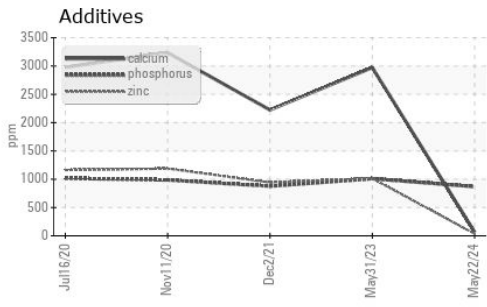
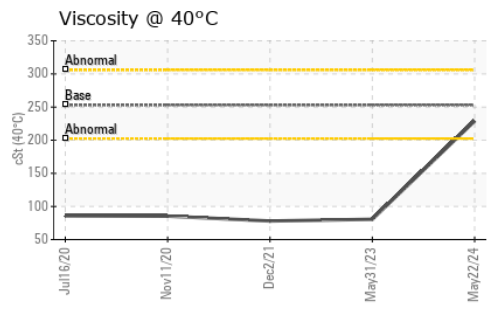
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>400	14	▲ 557	66
Potassium	ppm	ASTM D5185(m)	>20	2	61	7
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	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*	>0.2	NEG	NEG	NEG

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		2	41	6
Boron	ppm	ASTM D5185(m)	246	199	21	25
Barium	ppm	ASTM D5185(m)	1	<1	<1	0
Molybdenum	ppm	ASTM D5185(m)		0	10	4
Manganese	ppm	ASTM D5185(m)		<1	8	2
Magnesium	ppm	ASTM D5185(m)	1	3	95	41
Calcium	ppm	ASTM D5185(m)	2	67	2973	2224
Phosphorus	ppm	ASTM D5185(m)	976	869	1010	876
Zinc	ppm	ASTM D5185(m)	3	36	1014	943
Sulfur	ppm	ASTM D5185(m)	15600	14948	4118	3337
Visc @ 40°C	cSt	ASTM D7279(m)	253.0	229	▲ 80.6	78.0



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0113395
Lab Number : 02637261
Unique Number : 5786423
Test Package : MOB 1
Received : 23 May 2024
Tested : 23 May 2024
Diagnosed : 23 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.