



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id

EX0354

Component

Rear Left Final Drive

Fluid

PETRO CANADA TRAXON E SYNTHETIC 80W-140 (5 LTR)

RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0124621	GFL0092230	---
Sample Date		Client Info		20 Jun 2024	08 Apr 2024	---
Machine Age	hrs	Client Info		25281	24807	---
Oil Age	hrs	Client Info		474	1000	---
Filter Age	hrs	Client Info		474	1000	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	464	359	---
Chromium	ppm	ASTM D5185(m)	>10	5	4	---
Nickel	ppm	ASTM D5185(m)	>10	6	5	---
Titanium	ppm	ASTM D5185(m)		4	4	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	74	72	---
Lead	ppm	ASTM D5185(m)	>25	0	0	---
Copper	ppm	ASTM D5185(m)	>50	2	2	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

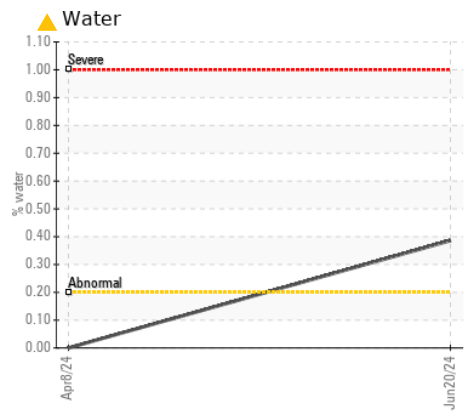
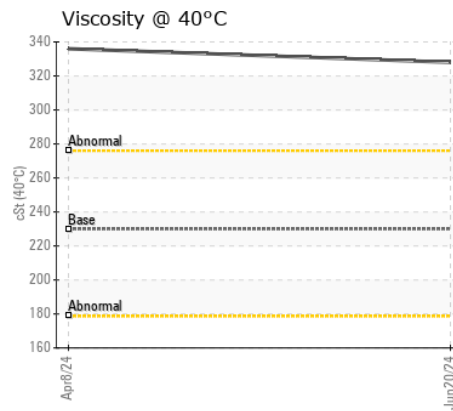
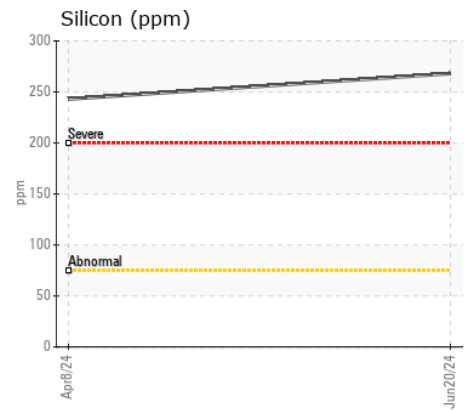
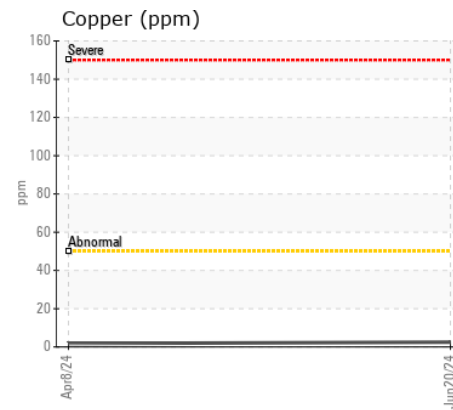
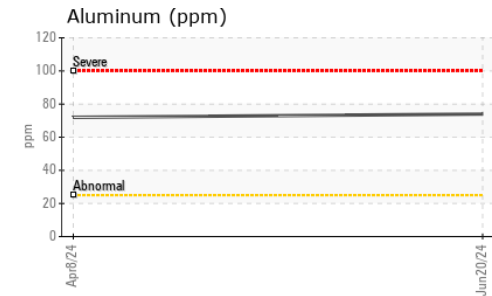
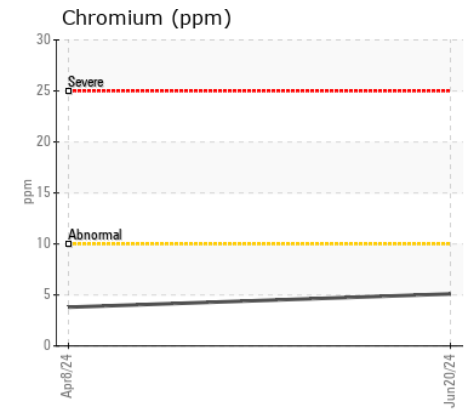
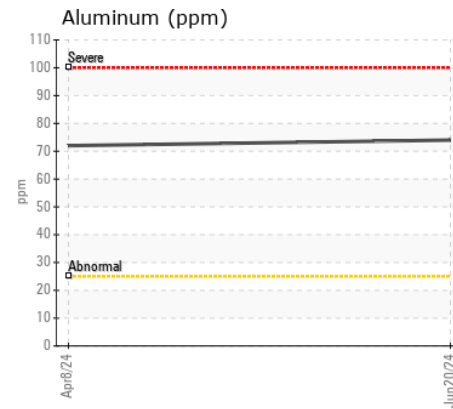
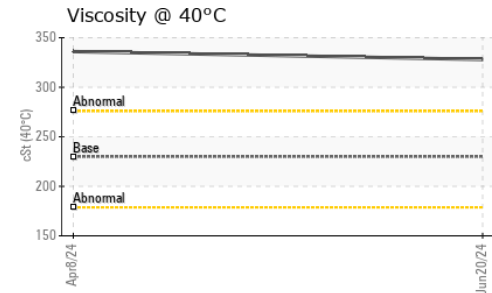
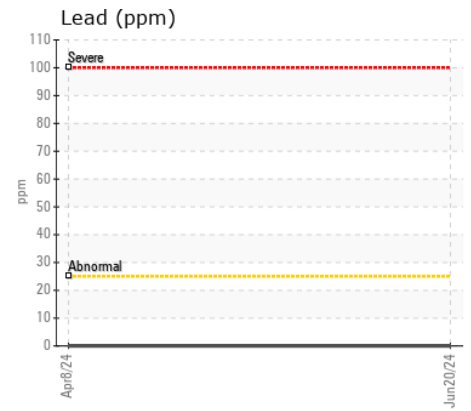
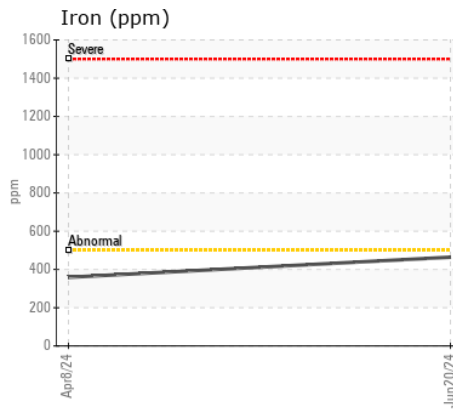
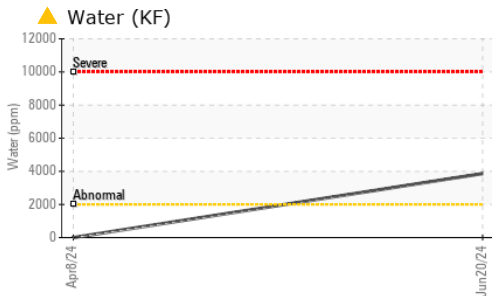
There is a moderate concentration of water present in the oil.

Silicon	ppm	ASTM D5185(m)	>75	268	243	---
Potassium	ppm	ASTM D5185(m)	>20	26	24	---
Water	%	ASTM D6304*	>0.2	▲ 0.386	---	---
ppm Water	ppm	ASTM D6304*	>2000	▲ 3865	---	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	▲ .2%	NEG	---

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Sodium	ppm	ASTM D5185(m)		19	17	---
Boron	ppm	ASTM D5185(m)	202	185	191	---
Barium	ppm	ASTM D5185(m)	<1	<1	<1	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		4	3	---
Magnesium	ppm	ASTM D5185(m)	<1	21	21	---
Calcium	ppm	ASTM D5185(m)		84	74	---
Phosphorus	ppm	ASTM D5185(m)	1209	1048	1094	---
Zinc	ppm	ASTM D5185(m)	1	18	14	---
Sulfur	ppm	ASTM D5185(m)	20439	19266	19962	---
Visc @ 40°C	cSt	ASTM D7279(m)	230	328	336	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0124621 **Received** : 25 Jun 2024
Lab Number : 02644068 **Tested** : 26 Jun 2024
Unique Number : 5801607 **Diagnosed** : 26 Jun 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: KF)

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.