



WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id

EX0354

Component

Center Swing Drive

Fluid

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

RECOMMENDATION

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		GFL0113438	GFL0092231	---
Sample Date		Client Info		20 Jun 2024	08 Apr 2024	---
Machine Age	hrs	Client Info		25281	24807	---
Oil Age	hrs	Client Info		1474	1000	---
Filter Age	hrs	Client Info		1474	1000	---
Oil Changed		Client Info		Changed	Not Changd	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

Iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

PQ		ASTM D8184*		4	35	---
Iron	ppm	ASTM D5185(m)	>400	▲ 978	408	---
Chromium	ppm	ASTM D5185(m)	>10	7	3	---
Nickel	ppm	ASTM D5185(m)	>10	0	<1	---
Titanium	ppm	ASTM D5185(m)		<1	<1	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	1	4	---
Lead	ppm	ASTM D5185(m)	>50	<1	0	---
Copper	ppm	ASTM D5185(m)	>200	24	14	---
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	VLITE	---

CONTAMINATION

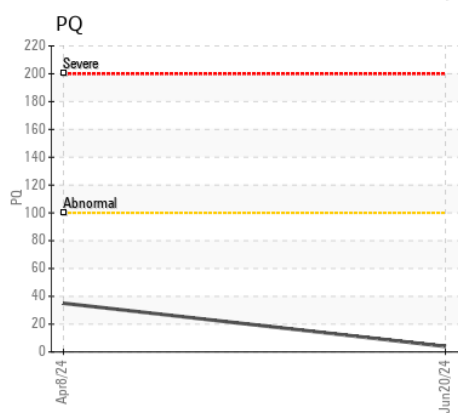
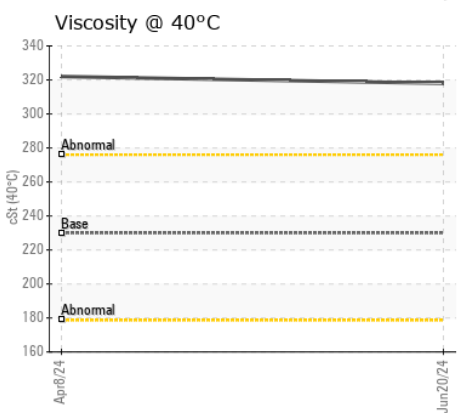
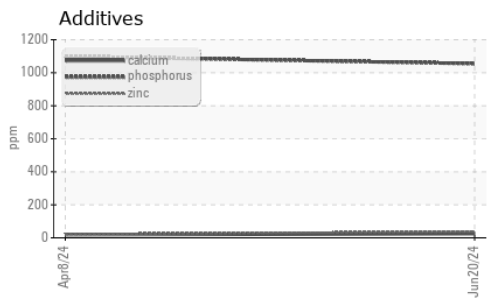
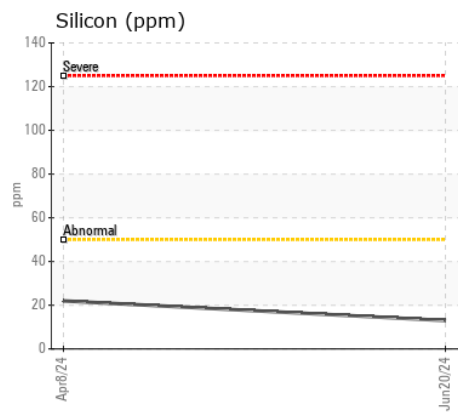
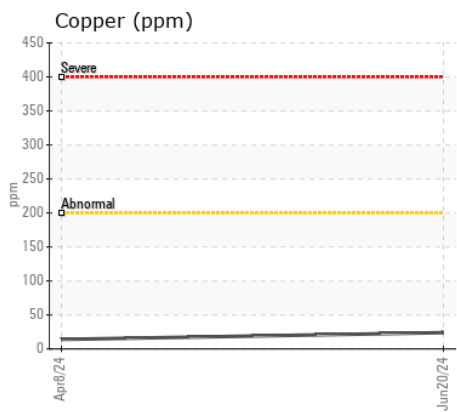
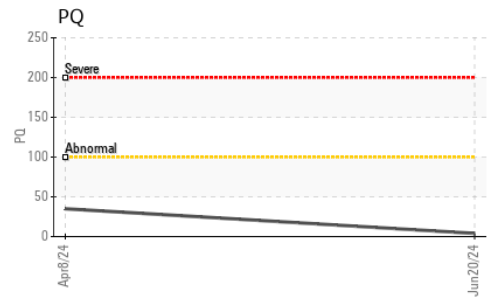
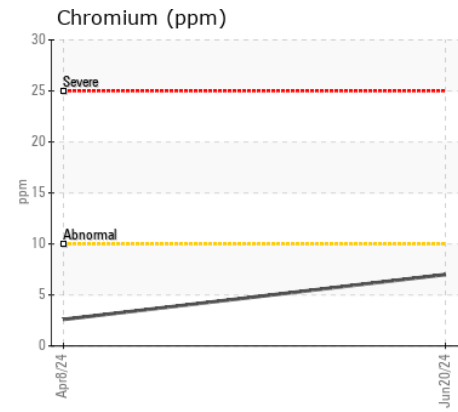
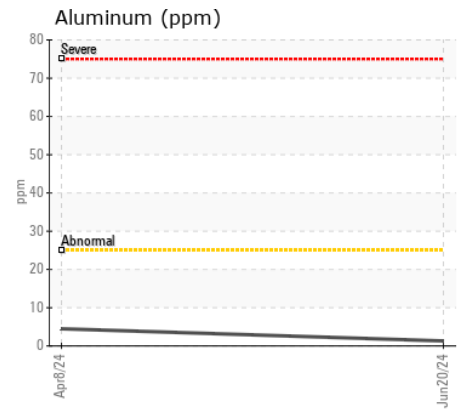
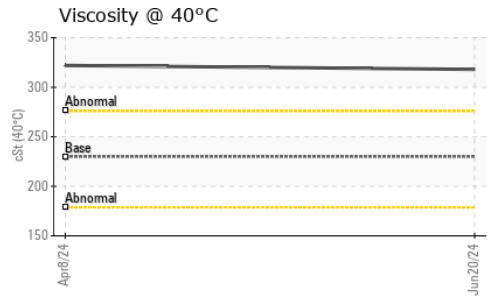
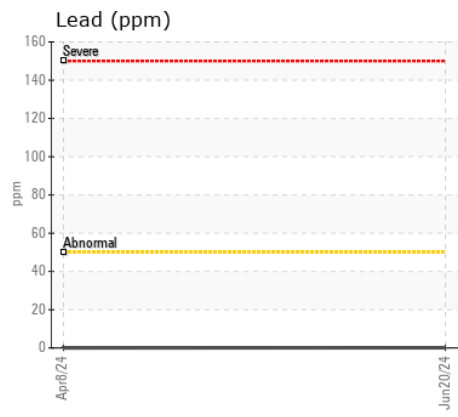
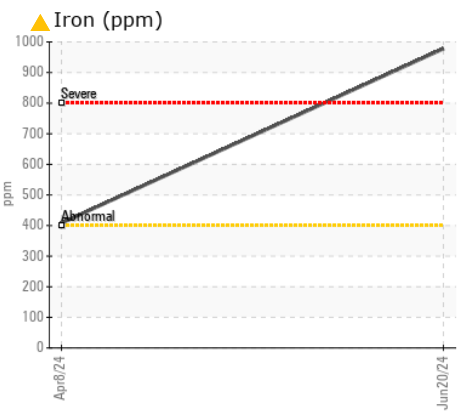
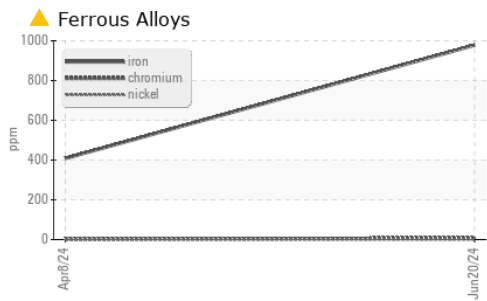
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	13	22	---
Potassium	ppm	ASTM D5185(m)	>20	1	2	---
Water		WC Method	>0.2	NEG	NEG	---
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	NEG	NEG	---

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185(m)		1	2	---
Boron	ppm	ASTM D5185(m)	202	203	246	---
Barium	ppm	ASTM D5185(m)	<1	1	<1	---
Molybdenum	ppm	ASTM D5185(m)		<1	0	---
Manganese	ppm	ASTM D5185(m)		8	4	---
Magnesium	ppm	ASTM D5185(m)	<1	2	3	---
Calcium	ppm	ASTM D5185(m)		25	18	---
Phosphorus	ppm	ASTM D5185(m)	1209	1055	1099	---
Zinc	ppm	ASTM D5185(m)	1	37	22	---
Sulfur	ppm	ASTM D5185(m)	20439	19487	20125	---
Visc @ 40°C	cSt	ASTM D7279(m)	230	318	322	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0113438
Lab Number : 02644067
Unique Number : 5801606
Test Package : MOB 1 (Additional Tests: PQ)
Received : 25 Jun 2024
Tested : 25 Jun 2024
Diagnosed : 26 Jun 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.