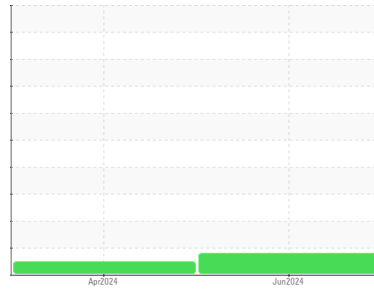




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
EX0354
 Component
Center Swing Drive
 Fluid
PETRO CANADA TRAXON E SYNTHETIC 80W-140 (5 LTR)

DIAGNOSIS

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.

Wear

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

Contamination

There is no indication of any contamination in the oil.

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.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	GFL0113438	GFL0092231	---
Sample Date	Client Info	20 Jun 2024	08 Apr 2024	---
Machine Age	hrs	25281	24807	---
Oil Age	hrs	1474	1000	---
Oil Changed	Client Info	Changed	Not Changd	---
Sample Status		ABNORMAL	NORMAL	---

CONTAMINATION

method	limit/base	current	history1	history2	
Water	WC Method	>0.2	NEG	NEG	---

WEAR METALS

method	limit/base	current	history1	history2	
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	---
Antimony	ppm	ASTM D5185(m) >5	18	19	---
Vanadium	ppm	ASTM D5185(m)	0	0	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

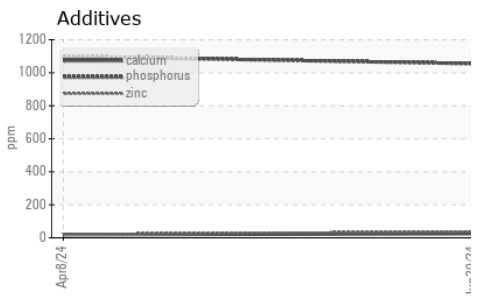
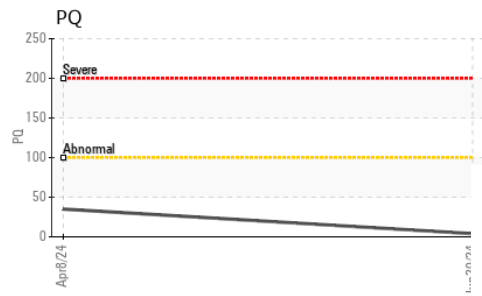
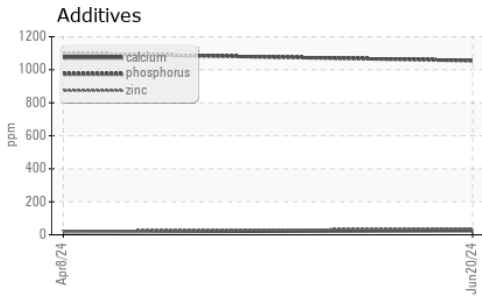
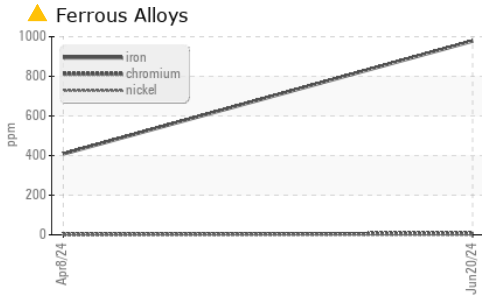
method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m) 202	203	246	---
Barium	ppm	ASTM D5185(m) <1	1	<1	---
Molybdenum	ppm	ASTM D5185(m)	<1	0	---
Manganese	ppm	ASTM D5185(m)	8	4	---
Magnesium	ppm	ASTM D5185(m) <1	2	3	---
Calcium	ppm	ASTM D5185(m)	25	18	---
Phosphorus	ppm	ASTM D5185(m) 1209	1055	1099	---
Zinc	ppm	ASTM D5185(m) 1	37	22	---
Sulfur	ppm	ASTM D5185(m) 20439	19487	20125	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m) >50	13	22	---
Sodium	ppm	ASTM D5185(m)	1	2	---
Potassium	ppm	ASTM D5185(m) >20	1	2	---



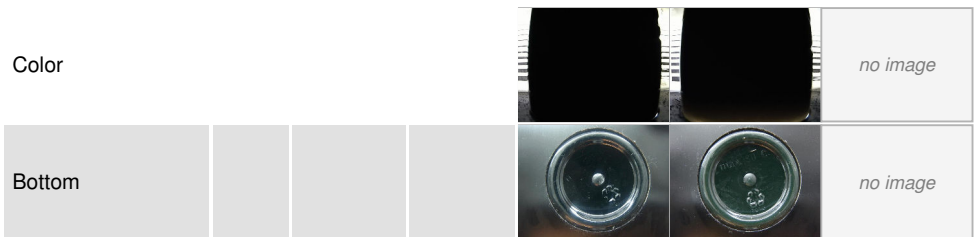
OIL ANALYSIS REPORT



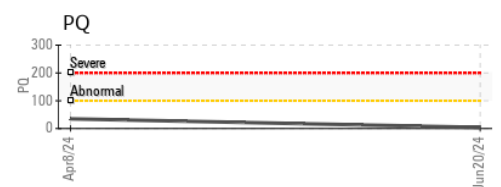
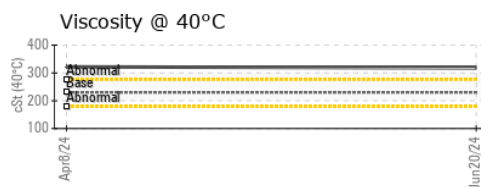
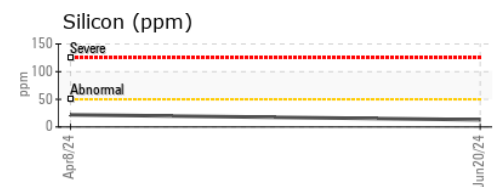
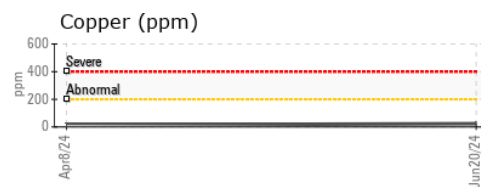
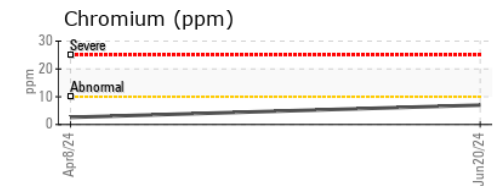
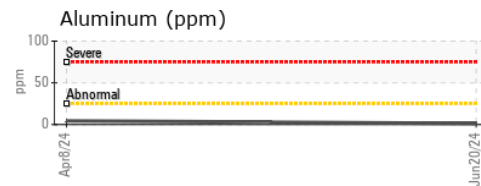
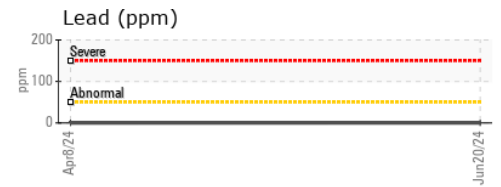
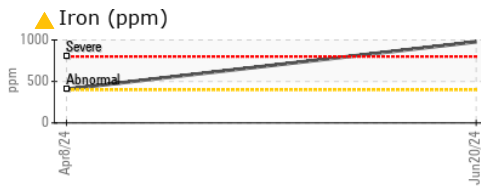
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	VLITE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	230	318	322

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **GFL Environmental - 720 - Lafleche - Landfill**
Sample No. : GFL0113438 **Received** : 25 Jun 2024 17125 Lafleche Road,
Lab Number : 02644067 **Tested** : 25 Jun 2024 Moose Creek, ON
Unique Number : 5801606 **Diagnosed** : 26 Jun 2024 - Kevin Marson CA K0C 1W0
Test Package : MOB 1 (Additional Tests: PQ) Contact: Charles Bergeron
 cbergeron@gflenv.com

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.