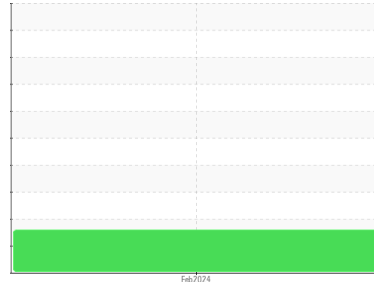




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
OR352

Component
Rear Right Planetary

Fluid
PETRO CANADA TRAXON E SYNTHETIC 80W-140 (13 LTR)

DIAGNOSIS

Recommendation

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

Wear

Copper and tin ppm levels are abnormal. Thrust washer and/or bearing/bushing wear is indicated.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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	GFL0092240	---	---
Sample Date	Client Info	09 Feb 2024	---	---
Machine Age	hrs	Client Info	14854	---
Oil Age	hrs	Client Info	14854	---
Oil Changed	Client Info	Not Chngd	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2	
Iron	ppm	ASTM D5185(m)	>500	463	---
Chromium	ppm	ASTM D5185(m)	>10	4	---
Nickel	ppm	ASTM D5185(m)	>10	1	---
Titanium	ppm	ASTM D5185(m)		0	---
Silver	ppm	ASTM D5185(m)		0	---
Aluminum	ppm	ASTM D5185(m)	>25	1	---
Lead	ppm	ASTM D5185(m)	>25	3	---
Copper	ppm	ASTM D5185(m)	>75	▲ 102	---
Tin	ppm	ASTM D5185(m)	>10	▲ 13	---
Antimony	ppm	ASTM D5185(m)	>5	0	---
Vanadium	ppm	ASTM D5185(m)		0	---
Beryllium	ppm	ASTM D5185(m)		0	---
Cadmium	ppm	ASTM D5185(m)		0	---

ADDITIVES

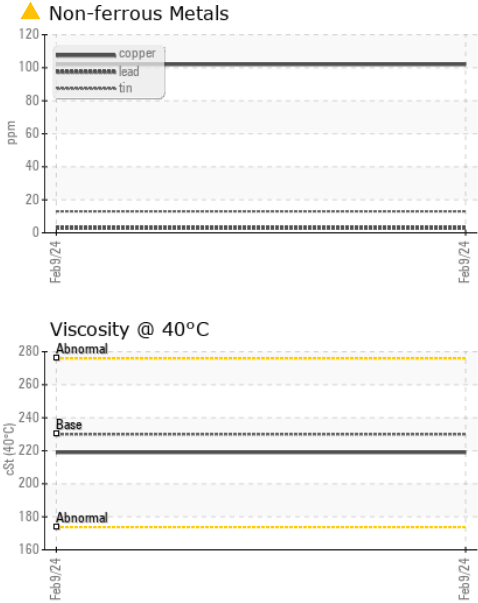
method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185(m)	202	226	---
Barium	ppm	ASTM D5185(m)	<1	0	---
Molybdenum	ppm	ASTM D5185(m)		0	---
Manganese	ppm	ASTM D5185(m)		4	---
Magnesium	ppm	ASTM D5185(m)	<1	2	---
Calcium	ppm	ASTM D5185(m)		10	---
Phosphorus	ppm	ASTM D5185(m)	1209	979	---
Zinc	ppm	ASTM D5185(m)	1	14	---
Sulfur	ppm	ASTM D5185(m)	20439	16538	---
Lithium	ppm	ASTM D5185(m)		<1	---

CONTAMINANTS

method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>75	4	---
Sodium	ppm	ASTM D5185(m)		0	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---



OIL ANALYSIS REPORT



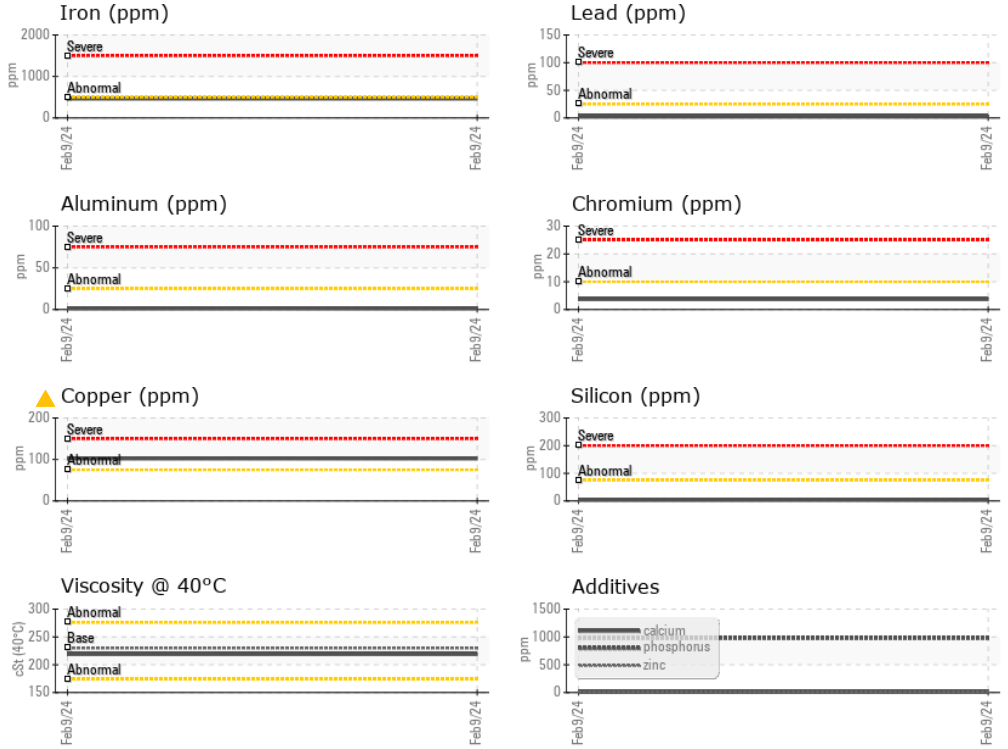
PROPERTY	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

PROPERTY	method	limit/base	current	history1	history2
FLUID PROPERTIES					
Visc @ 40°C	cSt	ASTM D7279(m)	230	219	---

PROPERTY	method	limit/base	current	history1	history2
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PROPERTY	method	limit/base	current	history1	history2
SAMPLE IMAGES					
Color				no image	no image
Bottom				no image	no image

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0092240
Lab Number : 02615452
Unique Number : 5724547
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.