



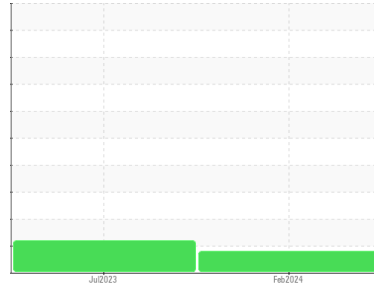
OIL ANALYSIS REPORT

Sample Rating Trend

WEAR



Machine Id
EX0358
 Component
Rear Right Drive
 Fluid
PETRO CANADA TRAXON E SYNTHETIC 80W-140 (5 LTR)



DIAGNOSIS

▲ Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

▲ Wear

Chromium ppm levels are abnormal.

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		GFL0092326	GFL0087359	---
Sample Date	Client Info		09 Feb 2024	28 Jul 2023	---
Machine Age	hrs	Client Info	22386	22000	---
Oil Age	hrs	Client Info	22386	1000	---
Oil Changed	Client Info		Changed	Not Changd	---
Sample Status			ABNORMAL	ABNORMAL	---

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>500	109	111
Chromium	ppm	ASTM D5185(m)	>10	▲ 15	▲ 15
Nickel	ppm	ASTM D5185(m)	>5	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1
Silver	ppm	ASTM D5185(m)		0	0
Aluminum	ppm	ASTM D5185(m)	>10	7	8
Lead	ppm	ASTM D5185(m)	>10	0	0
Copper	ppm	ASTM D5185(m)	>25	<1	<1
Tin	ppm	ASTM D5185(m)	>5	0	0
Antimony	ppm	ASTM D5185(m)	>5	17	22
Vanadium	ppm	ASTM D5185(m)		0	<1
Beryllium	ppm	ASTM D5185(m)		0	0
Cadmium	ppm	ASTM D5185(m)		0	0

ADDITIVES

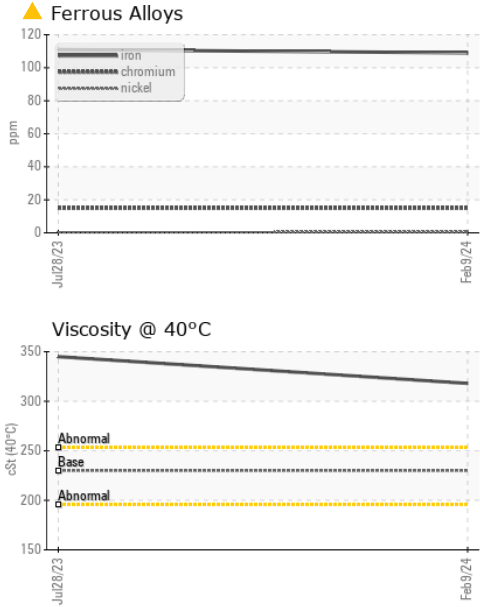
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	202	178	184
Barium	ppm	ASTM D5185(m)	<1	0	0
Molybdenum	ppm	ASTM D5185(m)		1	2
Manganese	ppm	ASTM D5185(m)		<1	1
Magnesium	ppm	ASTM D5185(m)	<1	2	2
Calcium	ppm	ASTM D5185(m)		17	12
Phosphorus	ppm	ASTM D5185(m)	1209	1010	1079
Zinc	ppm	ASTM D5185(m)	1	10	8
Sulfur	ppm	ASTM D5185(m)	20439	16908	16219
Lithium	ppm	ASTM D5185(m)		<1	<1

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	28	38
Sodium	ppm	ASTM D5185(m)		2	1
Potassium	ppm	ASTM D5185(m)	>20	2	2



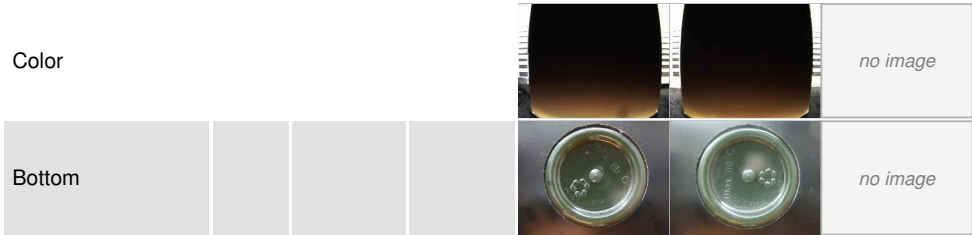
OIL ANALYSIS REPORT



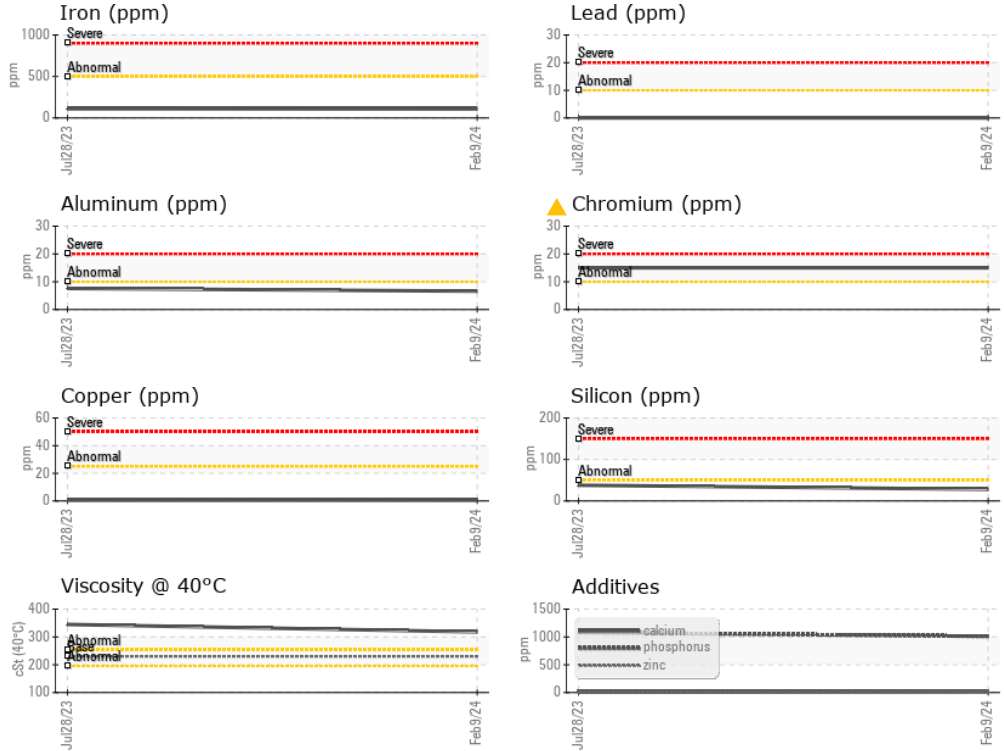
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D7279(m)	230	318	▲ 345

SAMPLE IMAGES	method	limit/base	current	history1	history2
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GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : GFL0092326
Lab Number : 02615438
Unique Number : 5724533
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.