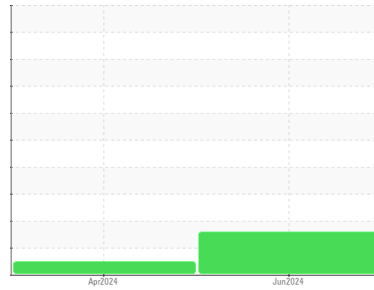




OIL ANALYSIS REPORT

Machine Id
EX0354
 Component
Rear Left Final Drive
 Fluid
PETRO CANADA TRAXON E SYNTHETIC 80W-140 (5 LTR)

Sample Rating Trend



WATER



DIAGNOSIS

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.

Wear

All component wear rates are normal.

Contamination

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

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	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	---
Oil Changed	Client Info		Changed	Not Changd	---
Sample Status			ABNORMAL	NORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2	
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	---
Antimony	ppm	ASTM D5185(m)	>5	21	21	---
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	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	---
Lithium	ppm	ASTM D5185(m)		<1	<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185(m)	>75	268	243	---
Sodium	ppm	ASTM D5185(m)		19	17	---
Potassium	ppm	ASTM D5185(m)	>20	26	24	---
Water	%	ASTM D6304*	>0.2	▲ 0.386	---	---
ppm Water	ppm	ASTM D6304*	>2000	▲ 3865	---	---

