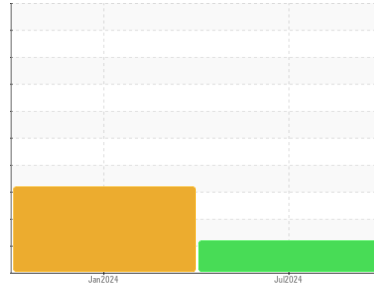




OIL ANALYSIS REPORT

Sample Rating Trend



VISUAL METAL



Machine Id

Or1982

Component

Front Right Planetary

Fluid

PETRO CANADA TRAXON XL SYN BLEND 80W140 (2 LTR)

DIAGNOSIS

Recommendation

We advise that you check for visible metal particles in the oil. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

Moderate concentration of visible metal present. Gear 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		GFL0124594	GFL0092294	---
Sample Date	Client Info		09 Jul 2024	19 Jan 2024	---
Machine Age	hrs	Client Info	10000	9642	---
Oil Age	hrs	Client Info	10000	500	---
Oil Changed	Client Info		Changed	Diff Oil	---
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	200	674	---
Chromium	ppm	ASTM D5185(m) >10	2	7	---
Nickel	ppm	ASTM D5185(m) >10	<1	1	---
Titanium	ppm	ASTM D5185(m)	0	0	---
Silver	ppm	ASTM D5185(m)	0	0	---
Aluminum	ppm	ASTM D5185(m) >25	1	2	---
Lead	ppm	ASTM D5185(m) >25	5	10	---
Copper	ppm	ASTM D5185(m) >75	24	50	---
Tin	ppm	ASTM D5185(m) >10	2	6	---
Antimony	ppm	ASTM D5185(m) >5	2	15	---
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) 246	237	165	---
Barium	ppm	ASTM D5185(m) 1	0	0	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---
Manganese	ppm	ASTM D5185(m)	2	5	---
Magnesium	ppm	ASTM D5185(m) 1	1	0	---
Calcium	ppm	ASTM D5185(m) 2	21	3	---
Phosphorus	ppm	ASTM D5185(m) 976	955	981	---
Zinc	ppm	ASTM D5185(m) 3	15	6	---
Sulfur	ppm	ASTM D5185(m) 15600	16141	16571	---
Lithium	ppm	ASTM D5185(m)	<1	<1	---

CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >75	7	19	---
Sodium	ppm	ASTM D5185(m)	2	<1	---
Potassium	ppm	ASTM D5185(m) >20	<1	<1	---

