



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Haul Truck
Machine Id
HT5024
Component
Transmission (Manual)
Fluid
PETRO CANADA DURATRAN (70 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0074936	PC0047127	---
Sample Date		Client Info		24 Dec 2023	07 Jun 2021	---
Machine Age	hrs	Client Info		9972	0	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>200	7	4	---
Chromium	ppm	ASTM D5185(m)	>5	0	0	---
Nickel	ppm	ASTM D5185(m)	>5	<1	0	---
Titanium	ppm	ASTM D5185(m)		0	<1	---
Silver	ppm	ASTM D5185(m)	>7	6	5	---
Aluminum	ppm	ASTM D5185(m)	>25	2	1	---
Lead	ppm	ASTM D5185(m)	>45	2	5	---
Copper	ppm	ASTM D5185(m)	>225	62	152	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	VLITE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

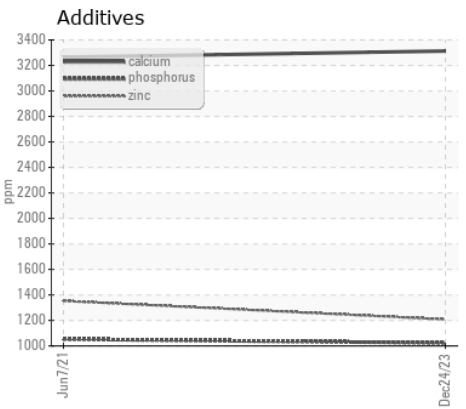
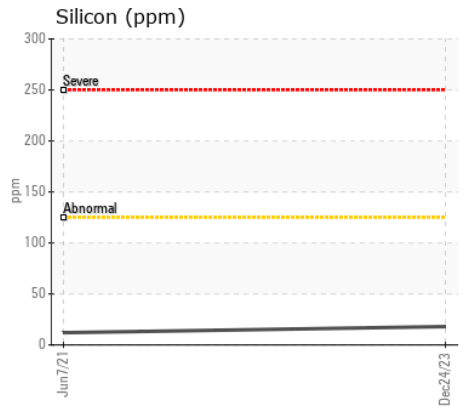
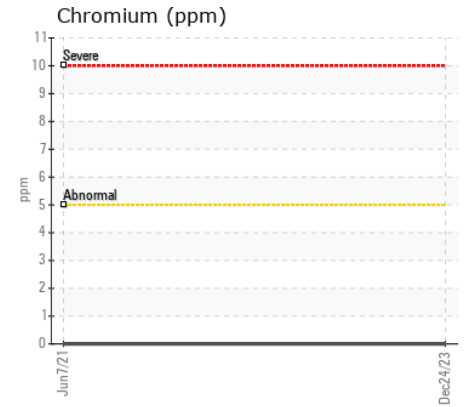
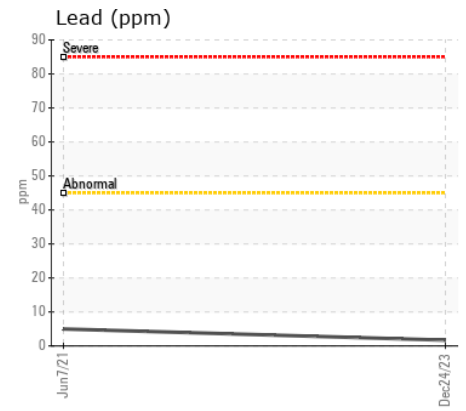
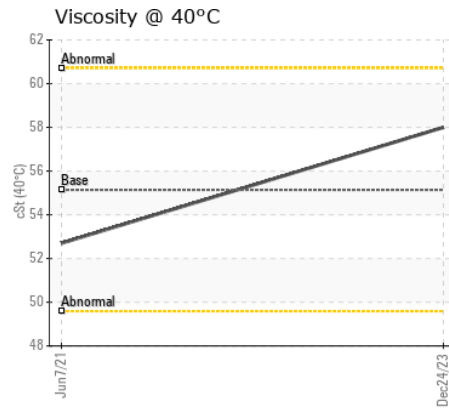
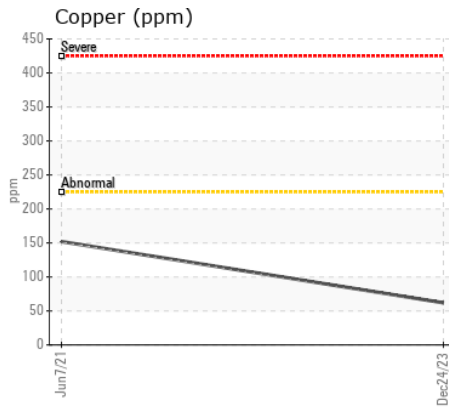
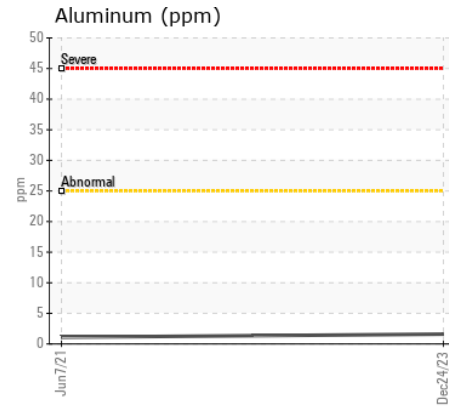
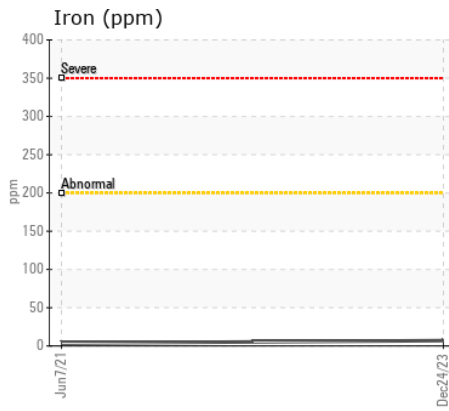
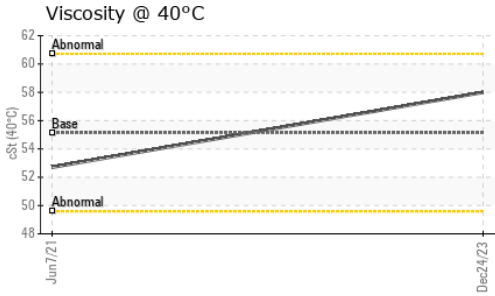
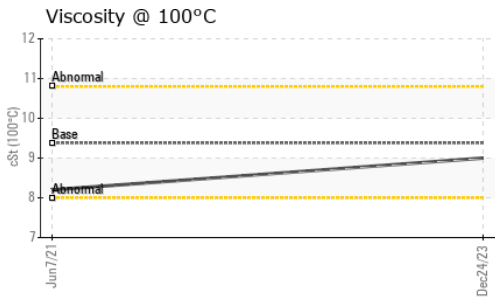
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>125	18	12	---
Potassium	ppm	ASTM D5185(m)	>20	10	24	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	VLITE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	---

FLUID CONDITION

The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		2	8	---
Boron	ppm	ASTM D5185(m)	110	65	93	---
Barium	ppm	ASTM D5185(m)	0.0	0	<1	---
Molybdenum	ppm	ASTM D5185(m)	0.0	<1	<1	---
Manganese	ppm	ASTM D5185(m)	1	0	<1	---
Magnesium	ppm	ASTM D5185(m)	13	24	12	---
Calcium	ppm	ASTM D5185(m)	3610	3313	3265	---
Phosphorus	ppm	ASTM D5185(m)	1192	1023	1053	---
Zinc	ppm	ASTM D5185(m)	1455	1208	1353	---
Sulfur	ppm	ASTM D5185(m)	2641	2741	2691	---
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	58.0	52.7	---
Visc @ 100°C	cSt	ASTM D7279(m)	9.38	9	8.2	---
Viscosity Index (VI)	Scale	ASTM D2270*	153	133	126	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0074936 **Received** : 11 Jan 2024
Lab Number : 02608247 **Diagnosed** : 11 Jan 2024
Unique Number : 5709333 **Diagnostician** : Wes Davis
Test Package : MOB 1 (Additional Tests: KV100, VI)

Lakeshore Gold Timmins West

Timmins, ON
CA

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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.