



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Scoop 6 Yard
Machine Id
LHD6105
Component
Transmission (Manual)
Fluid
PETRO CANADA DURATRAN (37 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0074928	PC0050462	---
Sample Date		Client Info		16 Dec 2023	23 Apr 2023	---
Machine Age	hrs	Client Info		2477	1130	---
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	11	8	---
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	0	0	---
Aluminum	ppm	ASTM D5185(m)	>25	2	1	---
Lead	ppm	ASTM D5185(m)	>45	4	9	---
Copper	ppm	ASTM D5185(m)	>225	<1	4	---
Tin	ppm	ASTM D5185(m)	>10	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

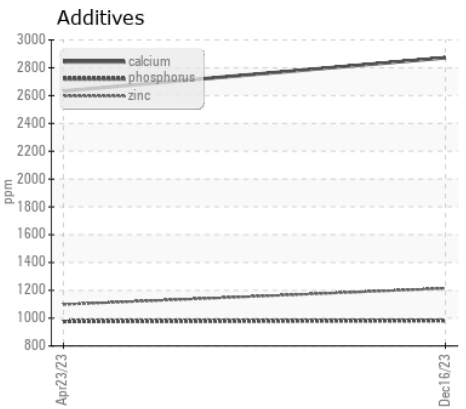
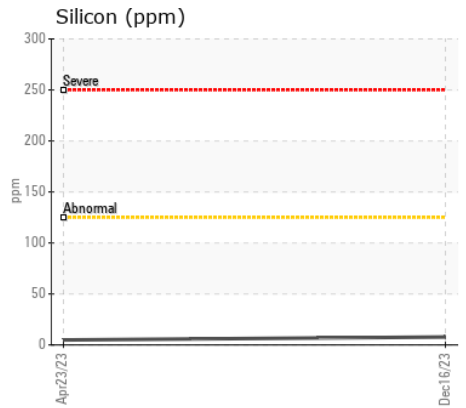
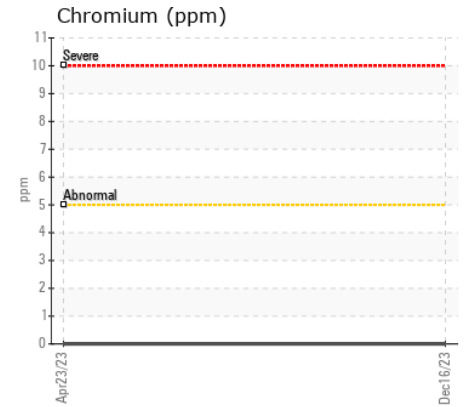
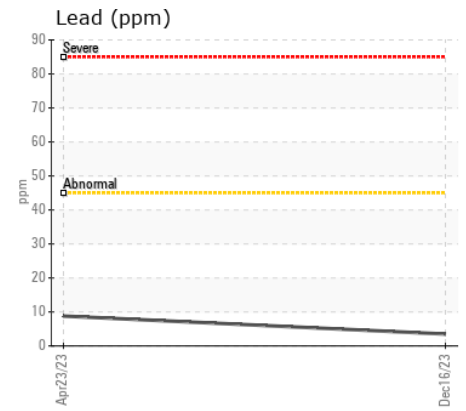
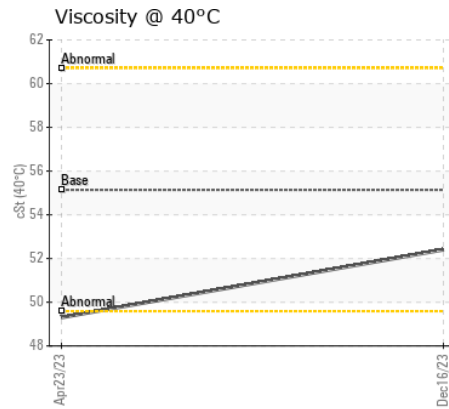
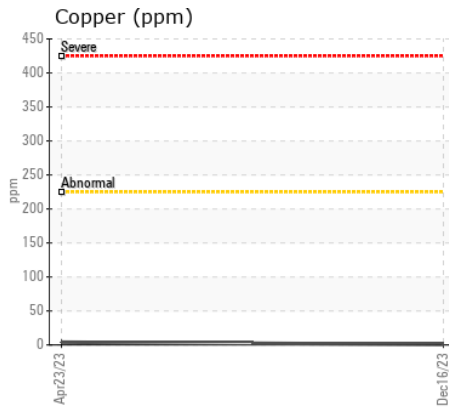
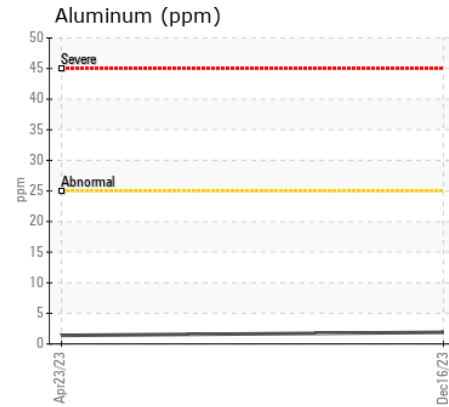
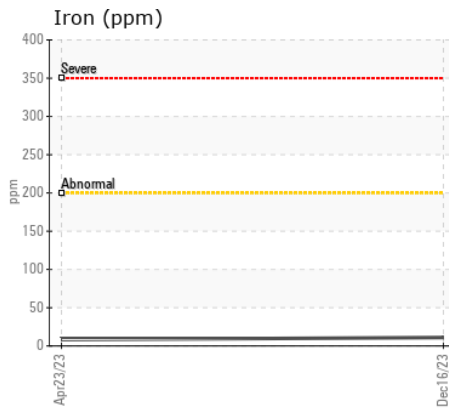
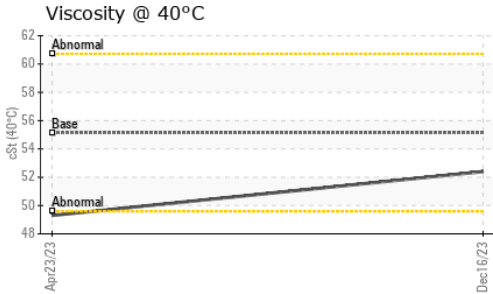
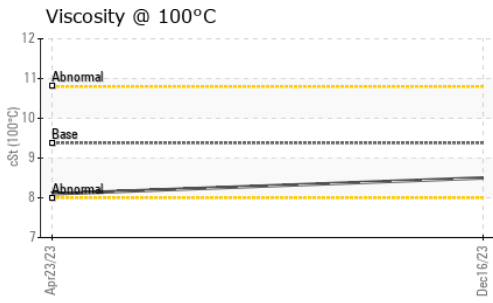
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>125	8	5	---
Potassium	ppm	ASTM D5185(m)	>20	<1	1	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
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)		1	12	---
Boron	ppm	ASTM D5185(m)	110	83	29	---
Barium	ppm	ASTM D5185(m)	0.0	0	0	---
Molybdenum	ppm	ASTM D5185(m)	0.0	0	<1	---
Manganese	ppm	ASTM D5185(m)	1	0	<1	---
Magnesium	ppm	ASTM D5185(m)	13	14	16	---
Calcium	ppm	ASTM D5185(m)	3610	2872	2633	---
Phosphorus	ppm	ASTM D5185(m)	1192	982	976	---
Zinc	ppm	ASTM D5185(m)	1455	1214	1098	---
Sulfur	ppm	ASTM D5185(m)	2641	2487	2617	---
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	52.4	49.3	---
Visc @ 100°C	cSt	ASTM D7279(m)	9.38	8.5	8.1	---
Viscosity Index (VI)	Scale	ASTM D2270*	153	137	136	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0074928 **Received** : 24 Jan 2024
Lab Number : 02610876 **Diagnosed** : 24 Jan 2024
Unique Number : 5719971 **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.