



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Haul Truck
Machine Id
HT4501
Component
Transmission (Manual)
Fluid
PETRO CANADA DURATRAN (60 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0084726	PC0067047	PC0051417
Sample Date		Client Info		09 Apr 2024	07 Nov 2023	13 May 2023
Machine Age	hrs	Client Info		9874	8391	6383
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>200	12	5	10
Chromium	ppm	ASTM D5185(m)	>5	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>7	0	<1	0
Aluminum	ppm	ASTM D5185(m)	>25	2	1	1
Lead	ppm	ASTM D5185(m)	>45	1	<1	1
Copper	ppm	ASTM D5185(m)	>225	5	2	9
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

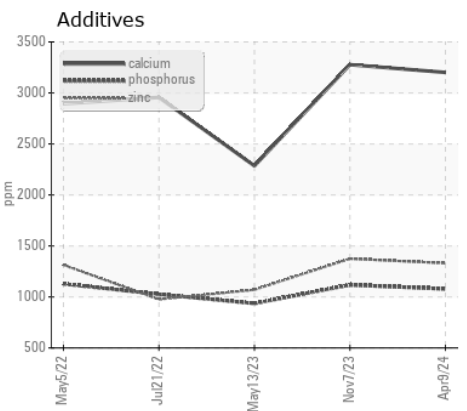
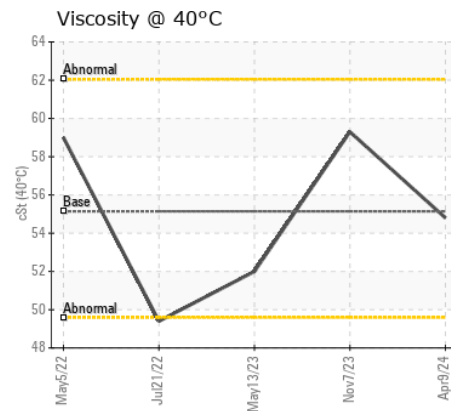
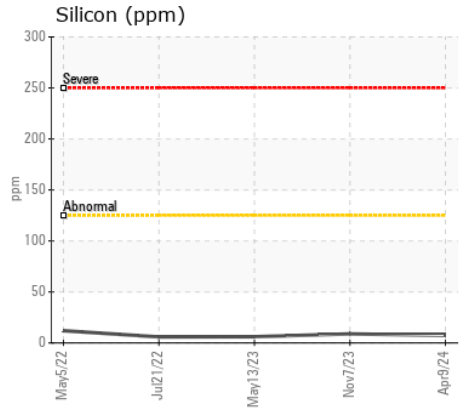
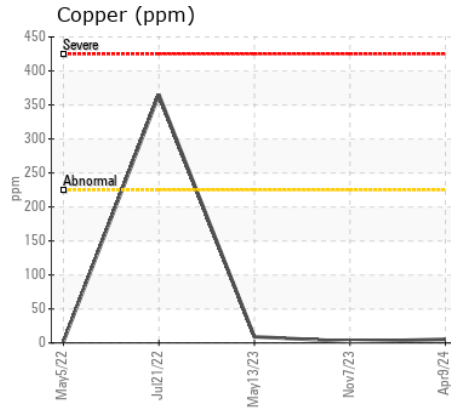
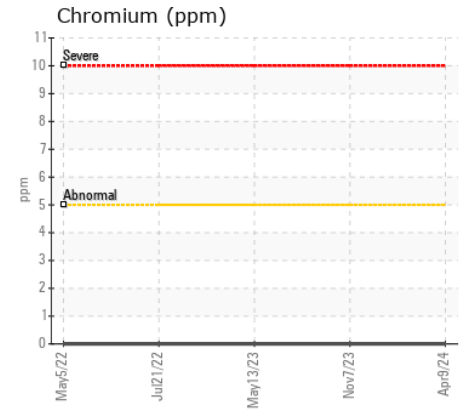
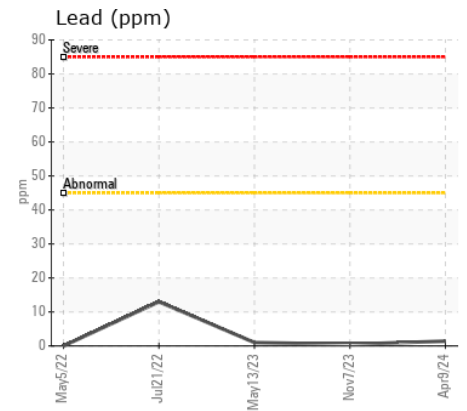
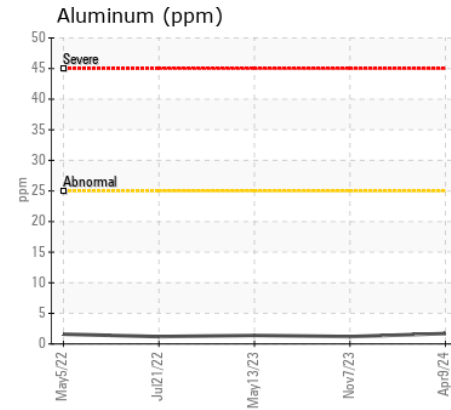
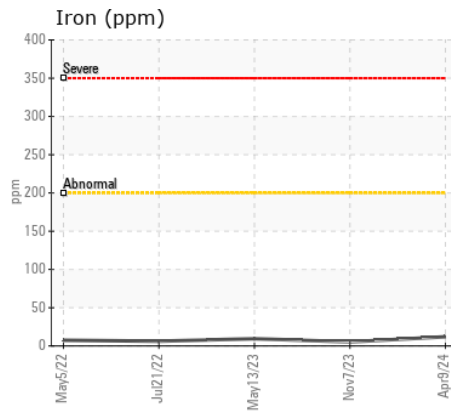
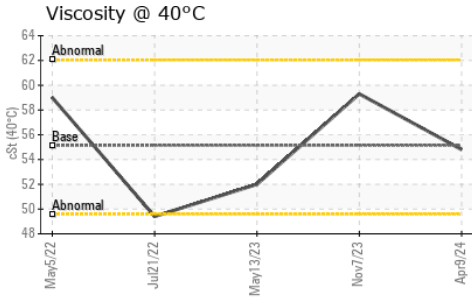
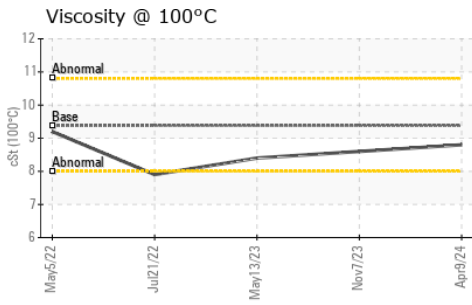
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>125	7	9	6
Potassium	ppm	ASTM D5185(m)	>20	<1	0	1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<1	<1	3
Boron	ppm	ASTM D5185(m)	110	79	88	5
Barium	ppm	ASTM D5185(m)	0.0	0	<1	0
Molybdenum	ppm	ASTM D5185(m)	0.0	8	6	3
Manganese	ppm	ASTM D5185(m)	1	0	0	<1
Magnesium	ppm	ASTM D5185(m)	13	148	111	51
Calcium	ppm	ASTM D5185(m)	3610	3201	3277	2285
Phosphorus	ppm	ASTM D5185(m)	1192	1079	1118	936
Zinc	ppm	ASTM D5185(m)	1455	1331	1375	1070
Sulfur	ppm	ASTM D5185(m)	2641	2683	2632	2580
Visc @ 40°C	cSt	ASTM D7279(m)	55.14	54.8	59.3	52.0
Visc @ 100°C	cSt	ASTM D7279(m)	9.38	8.8	8.6	8.4
Viscosity Index (VI)	Scale	ASTM D2270*	153	138	118	135



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0084726 **Received** : 12 Apr 2024
Lab Number : 02628518 **Tested** : 12 Apr 2024
Unique Number : 5761650 **Diagnosed** : 12 Apr 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV100, VI)

Lakeshore Gold Timmins West

Timmins, ON
CA
Contact: Dale Arseneau
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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.