



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Haul Truck
Machine Id
HT2404
Component
Rear Differential
Fluid
PETRO CANADA TRAXON 85W140 (35 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0046513	PC0047173	PC0047201
Sample Date		Client Info		08 Apr 2024	31 Aug 2023	31 May 2021
Machine Age	hrs	Client Info		6915	5529	0
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	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>500	43	118	42
Chromium	ppm	ASTM D5185(m)	>10	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>10	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	<1	3	2
Lead	ppm	ASTM D5185(m)	>25	0	0	▲ 13
Copper	ppm	ASTM D5185(m)	>100	3	8	▲ 413
Tin	ppm	ASTM D5185(m)	>10	0	0	▲ 19
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	VLITE	NONE	NONE

CONTAMINATION

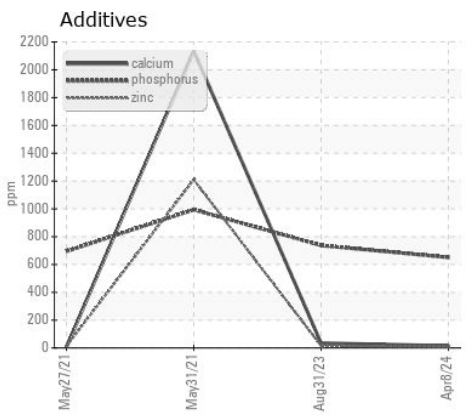
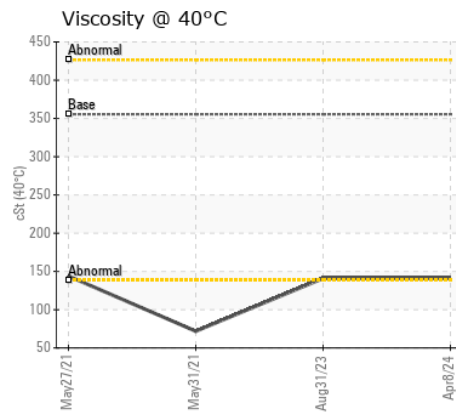
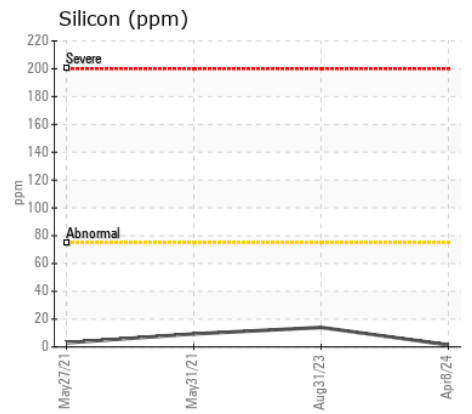
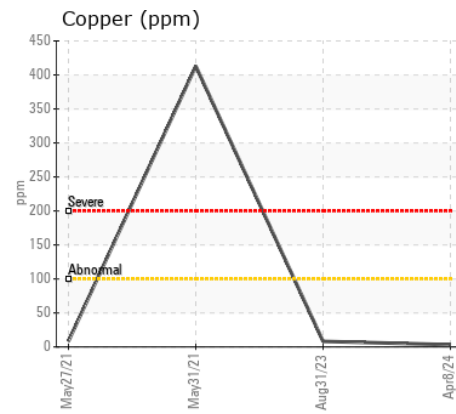
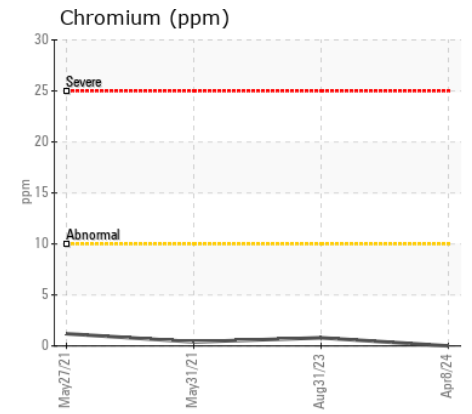
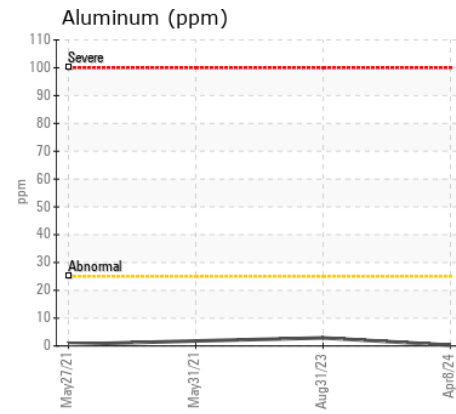
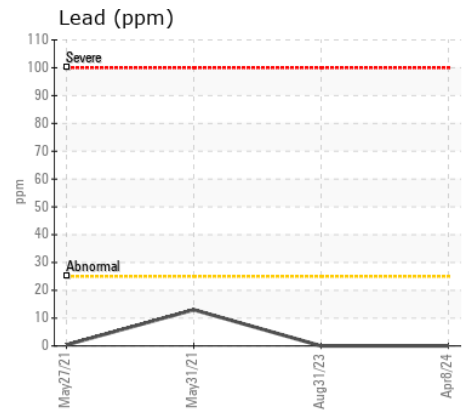
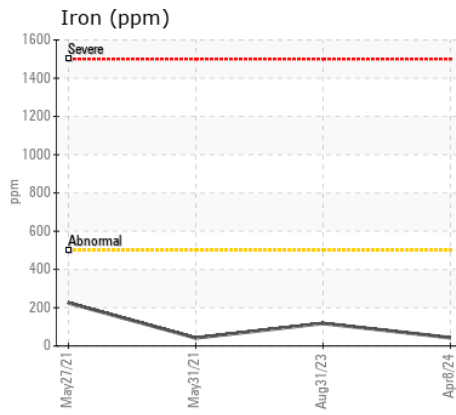
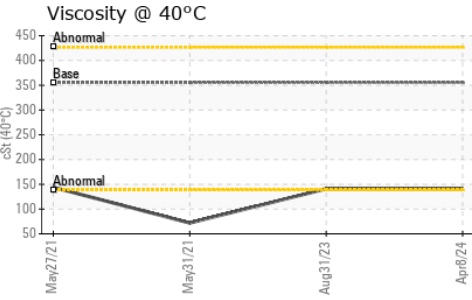
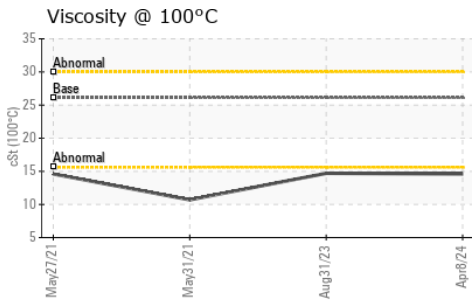
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	2	14	9
Potassium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	VLITE	NONE	VLITE
Debris	scalar	Visual*	NONE	NONE	NONE	VLITE
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*	>.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<1	<1	5
Boron	ppm	ASTM D5185(m)	243	39	47	46
Barium	ppm	ASTM D5185(m)	0	1	4	<1
Molybdenum	ppm	ASTM D5185(m)		0	<1	● 28
Manganese	ppm	ASTM D5185(m)		<1	1	<1
Magnesium	ppm	ASTM D5185(m)	0	2	2	● 461
Calcium	ppm	ASTM D5185(m)	0	15	35	● 2135
Phosphorus	ppm	ASTM D5185(m)	988	651	737	994
Zinc	ppm	ASTM D5185(m)	0	9	16	● 1209
Sulfur	ppm	ASTM D5185(m)	24530	21598	23620	● 2771
Visc @ 40°C	cSt	ASTM D7279(m)	355.4	141	141	▲ 71.9
Visc @ 100°C	cSt	ASTM D7279(m)	26.1	14.6	14.7	▲ 10.7
Viscosity Index (VI)	Scale	ASTM D2270*	97	102	103	▲ 136



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0046513 **Received** : 21 May 2024
Lab Number : 02636713 **Tested** : 21 May 2024
Unique Number : 5785875 **Diagnosed** : 21 May 2024 - Wes Davis
Test Package : MOB 1 (Additional Tests: KV100, VI)

Lakeshore Gold Timmins West

Timmins, ON
CA

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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.