



Area
Haul Truck
Machine Id
HT2404
Component
Front 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		PC0046579	PC0050659	PC0047196
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	121	241	118
Chromium	ppm	ASTM D5185(m)	>10	<1	1	<1
Nickel	ppm	ASTM D5185(m)	>10	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	<1	<1
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	<1	4	2
Lead	ppm	ASTM D5185(m)	>25	0	<1	4
Copper	ppm	ASTM D5185(m)	>100	9	26	▲ 107
Tin	ppm	ASTM D5185(m)	>10	0	0	4
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	VLITE	NONE	▲ LIGHT
Yellow Metal	scalar	Visual*	NONE	VLITE	NONE	▲ LIGHT

CONTAMINATION

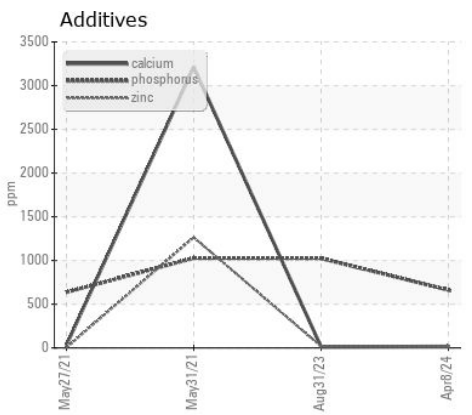
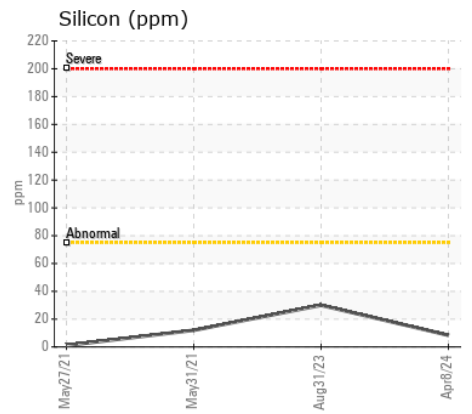
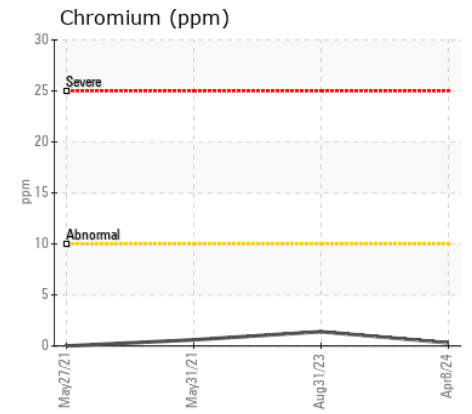
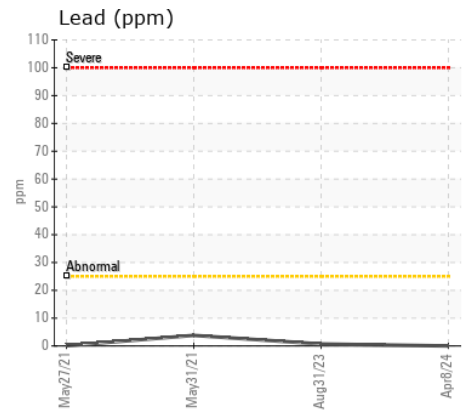
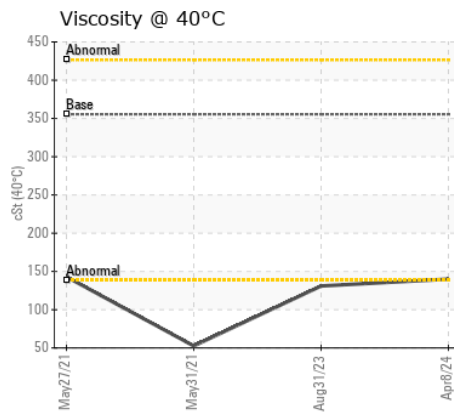
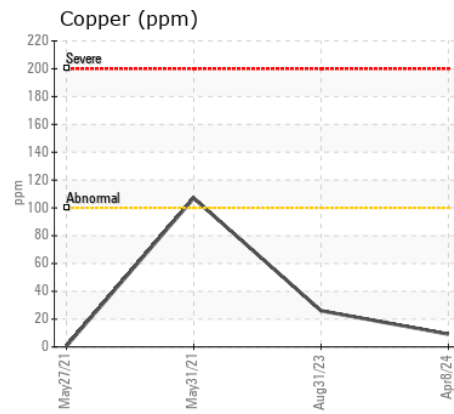
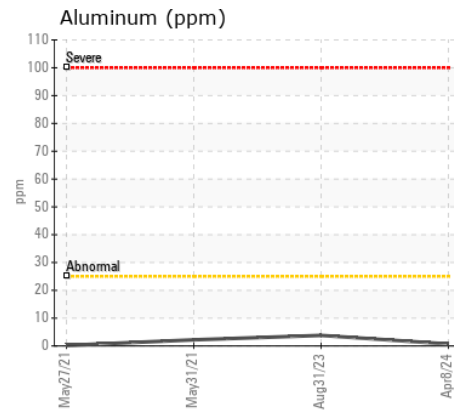
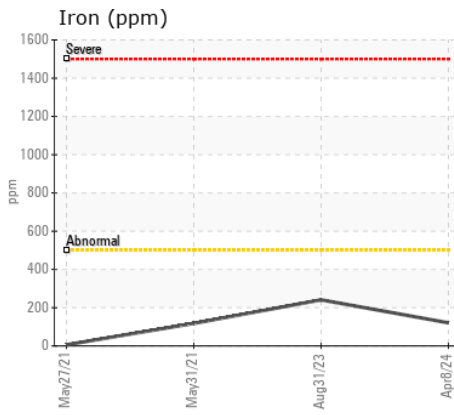
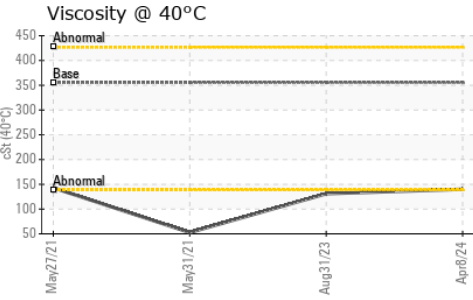
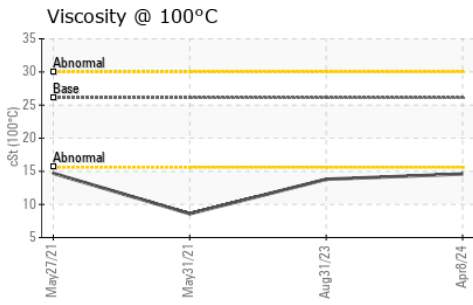
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	8	30	12
Potassium	ppm	ASTM D5185(m)	>20	2	3	1
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	LIGHT	NONE	NONE
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)		2	3	7
Boron	ppm	ASTM D5185(m)	243	55	183	91
Barium	ppm	ASTM D5185(m)	0	0	0	0
Molybdenum	ppm	ASTM D5185(m)		0	<1	<1
Manganese	ppm	ASTM D5185(m)		2	4	1
Magnesium	ppm	ASTM D5185(m)	0	3	2	16
Calcium	ppm	ASTM D5185(m)	0	18	13	3213
Phosphorus	ppm	ASTM D5185(m)	988	662	1025	1027
Zinc	ppm	ASTM D5185(m)	0	16	19	1264
Sulfur	ppm	ASTM D5185(m)	24530	21016	17352	2966
Visc @ 40°C	cSt	ASTM D7279(m)	355.4	140	131	52.6
Visc @ 100°C	cSt	ASTM D7279(m)	26.1	14.6	13.8	8.6
Viscosity Index (VI)	Scale	ASTM D2270*	97	103	101	▲ 139



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0046579 **Received** : 21 May 2024
Lab Number : 02636710 **Tested** : 21 May 2024
Unique Number : 5785872 **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.