



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Scooptram
Machine Id
LHD1710
Component
Rear Differential
Fluid
PETRO CANADA TRAXON 80W90 (90 LTR)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

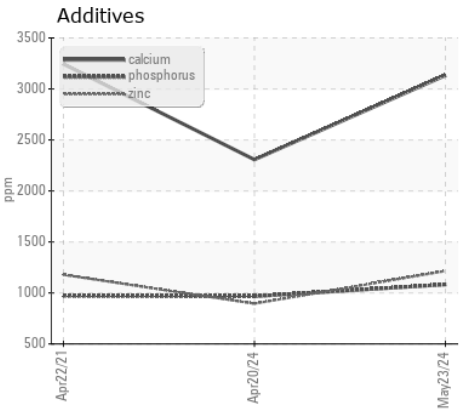
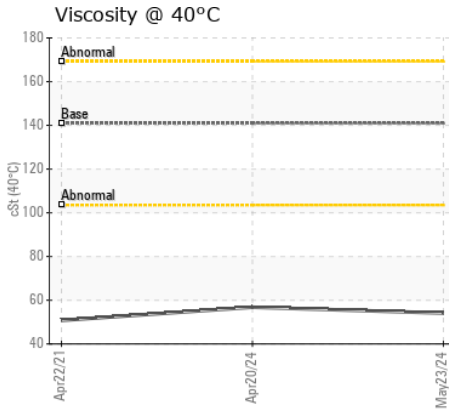
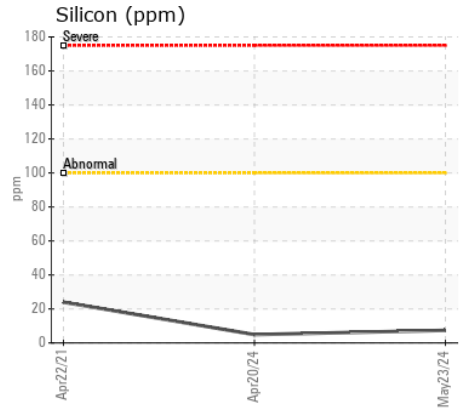
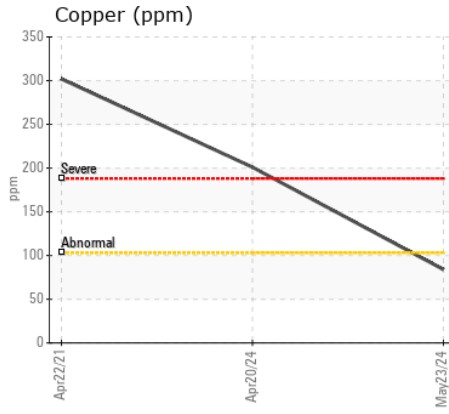
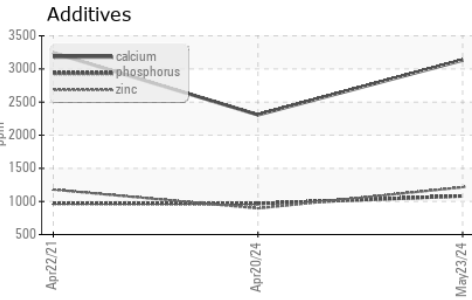
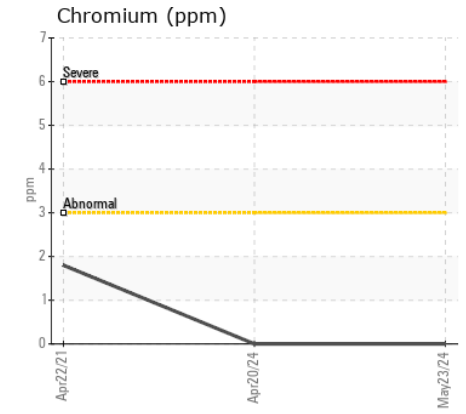
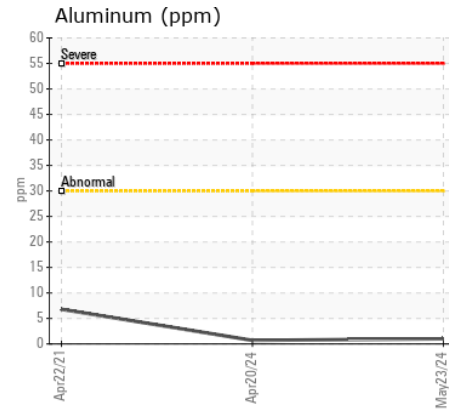
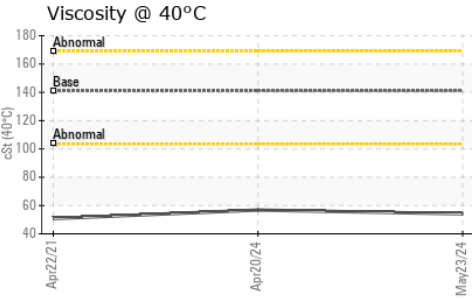
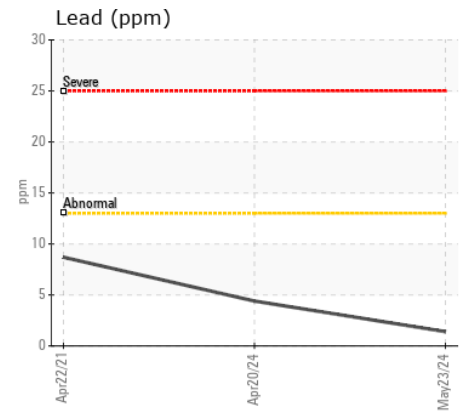
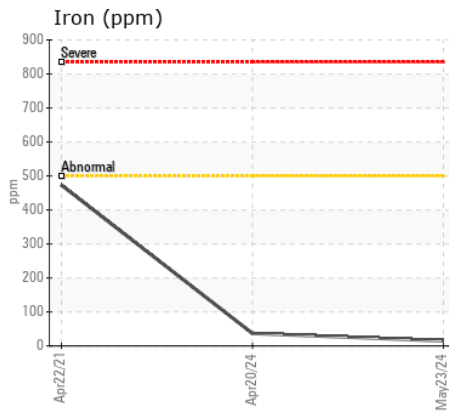
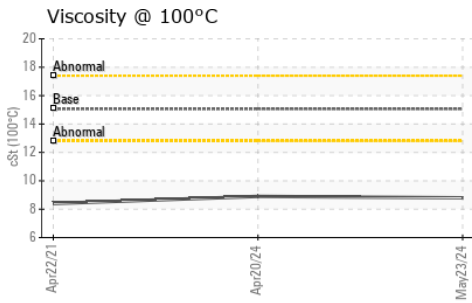
CONTAMINATION

There is no indication of any contamination in the oil.

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The oil viscosity is lower than typical, possibly indicating the addition of lighter grade oil. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0084643	PC0084754	PC0046584
Sample Date		Client Info		23 May 2024	20 Apr 2024	22 Apr 2021
Machine Age	hrs	Client Info		10792	10653	4331
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	SEVERE	SEVERE
Iron	ppm	ASTM D5185(m)	>500	15	37	473
Chromium	ppm	ASTM D5185(m)	>3	0	0	2
Nickel	ppm	ASTM D5185(m)	>3	0	0	<1
Titanium	ppm	ASTM D5185(m)	>2	0	0	<1
Silver	ppm	ASTM D5185(m)	>2	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>30	1	<1	7
Lead	ppm	ASTM D5185(m)	>13	1	4	9
Copper	ppm	ASTM D5185(m)	>103	84	▲ 201	▲ 302
Tin	ppm	ASTM D5185(m)	>5	2	▲ 5	▲ 15
Vanadium	ppm	ASTM D5185(m)		0	0	<1
White Metal	scalar	Visual*	NONE	NONE	NONE	▲ MODER
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185(m)	>100	7	5	24
Potassium	ppm	ASTM D5185(m)	>20	3	<1	8
Water		WC Method	>.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	VLITE	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*	>.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185(m)		2	2	12
Boron	ppm	ASTM D5185(m)	243	90	71	81
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	2
Manganese	ppm	ASTM D5185(m)		0	<1	4
Magnesium	ppm	ASTM D5185(m)	2	18	14	20
Calcium	ppm	ASTM D5185(m)	6	3133	2307	3244
Phosphorus	ppm	ASTM D5185(m)	987	1083	967	972
Zinc	ppm	ASTM D5185(m)	1	1215	895	1179
Sulfur	ppm	ASTM D5185(m)	21530	3400	4336	3247
Visc @ 40°C	cSt	ASTM D7279(m)	141.0	54.1	56.8	50.8
Visc @ 100°C	cSt	ASTM D7279(m)	15.06	8.8	8.9	8.4
Viscosity Index (VI)	Scale	ASTM D2270*	108	140	134	▲ 140



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0084643 **Received** : 29 May 2024
Lab Number : 02638567 **Tested** : 30 May 2024
Unique Number : 5787729 **Diagnosed** : 30 May 2024 - Kevin Marson
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.