



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ABNORMAL



Area
Scoop 10 Yard
Machine Id
LHD1502
Component
Rear Right Final Drive
Fluid
PETRO CANADA TRAXON 80W90 (--- 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

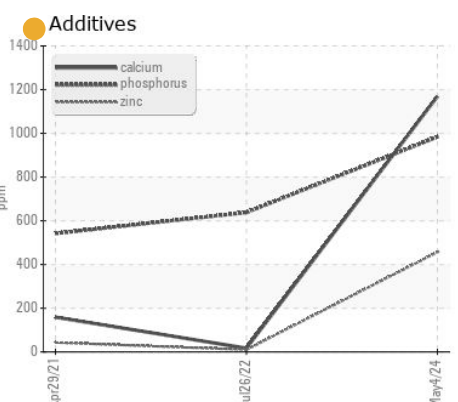
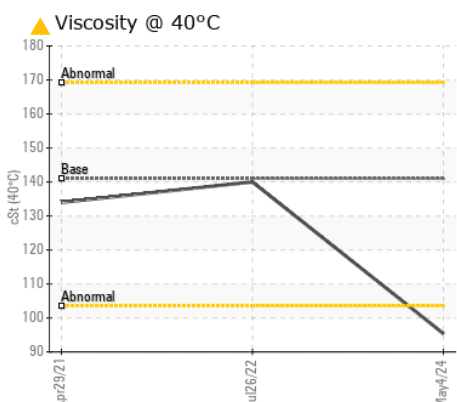
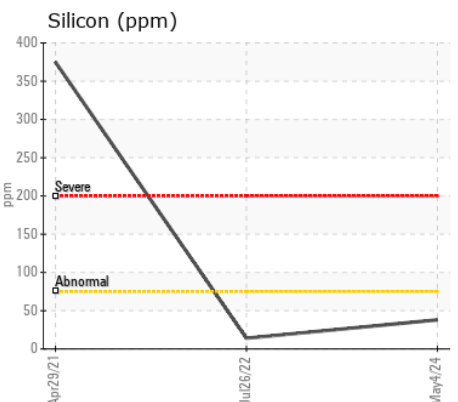
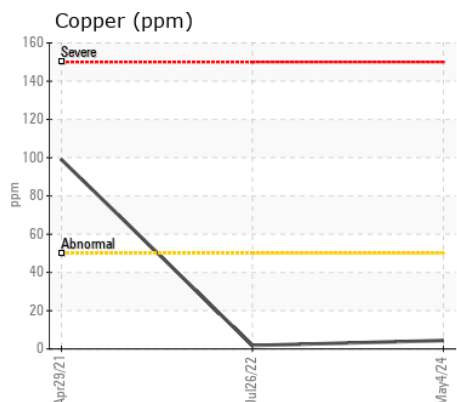
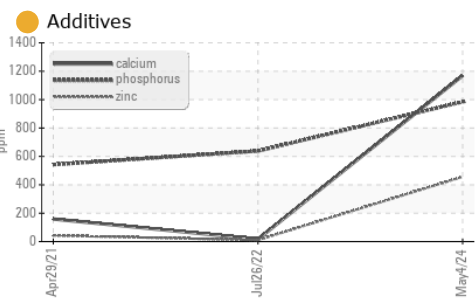
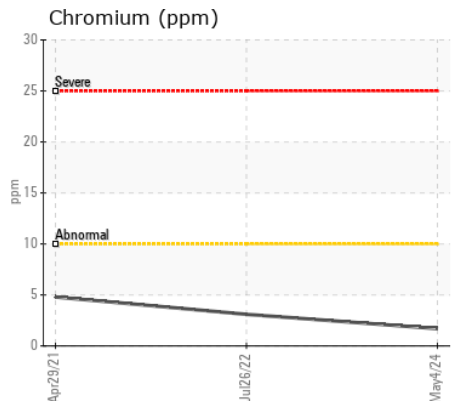
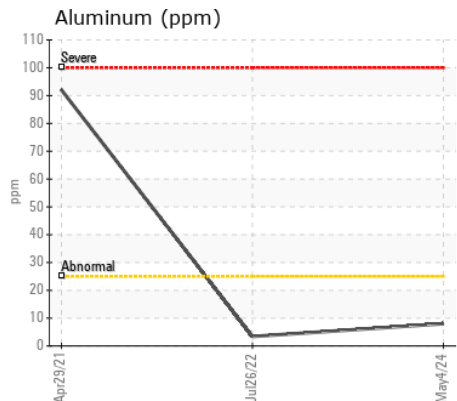
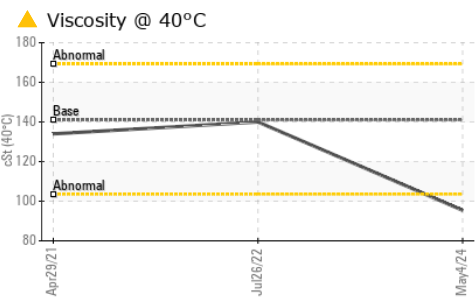
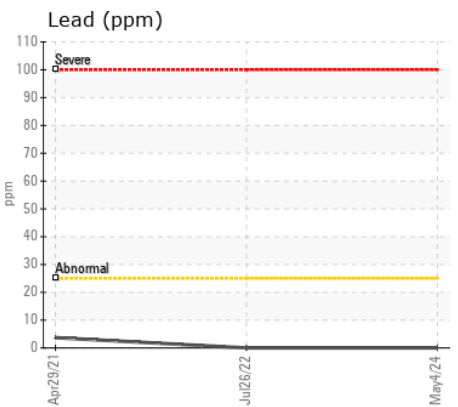
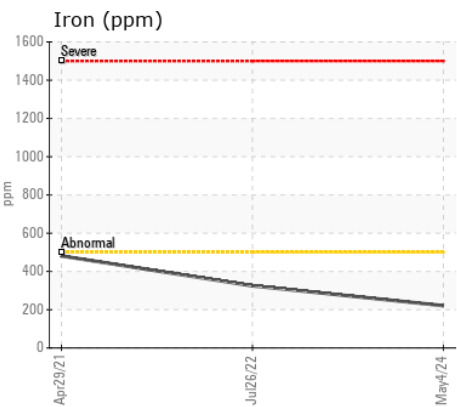
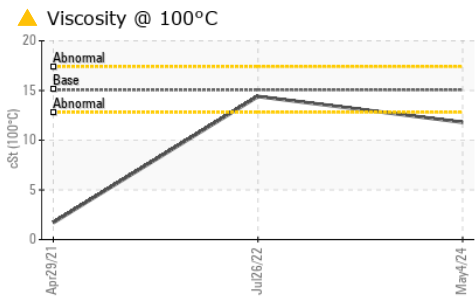
Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0048744	PC0047745	PC0046796
Sample Date		Client Info		04 May 2024	26 Jul 2022	29 Apr 2021
Machine Age	hrs	Client Info		2699	6438	1958
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				ABNORMAL	NORMAL	ABNORMAL

Iron	ppm	ASTM D5185(m)	>500	221	325	481
Chromium	ppm	ASTM D5185(m)	>10	2	3	5
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	2
Titanium	ppm	ASTM D5185(m)		<1	<1	6
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	8	3	92
Lead	ppm	ASTM D5185(m)	>25	0	0	4
Copper	ppm	ASTM D5185(m)	>50	4	2	99
Tin	ppm	ASTM D5185(m)	>10	0	0	3
Vanadium	ppm	ASTM D5185(m)		0	0	<1
White Metal	scalar	Visual*	NONE	NONE	VLITE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185(m)	>75	38	14	375
Potassium	ppm	ASTM D5185(m)	>20	3	2	50
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	VLITE	NONE	VLITE
Debris	scalar	Visual*	NONE	NONE	NONE	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*	>0.2	NEG	NEG	NEG

Sodium	ppm	ASTM D5185(m)		3	2	45
Boron	ppm	ASTM D5185(m)	243	154	43	31
Barium	ppm	ASTM D5185(m)	1	<1	1	4
Molybdenum	ppm	ASTM D5185(m)		0	<1	1
Manganese	ppm	ASTM D5185(m)		2	5	6
Magnesium	ppm	ASTM D5185(m)	2	10	4	34
Calcium	ppm	ASTM D5185(m)	6	1169	17	159
Phosphorus	ppm	ASTM D5185(m)	987	984	638	542
Zinc	ppm	ASTM D5185(m)	1	456	10	43
Sulfur	ppm	ASTM D5185(m)	21530	12246	22612	21563
Visc @ 40°C	cSt	ASTM D7279(m)	141.0	95.4	140	134
Visc @ 100°C	cSt	ASTM D7279(m)	15.06	11.8	14.4	1.7
Viscosity Index (VI)	Scale	ASTM D2270*	108	113	100	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : PC0048744 **Received** : 29 May 2024
Lab Number : 02638672 **Tested** : 30 May 2024
Unique Number : 5787834 **Diagnosed** : 31 May 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: KV100, VI)

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 Timmins, ON
 CA
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 T: (705)269-4344
 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.