

Machine Id
LEITNER CHAMPLAIN (S/N JB04309/1)
Component
Gearbox
Fluid
PETRO CANADA ENDURATEX EP 68 (200 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PC0072923	PC0069582	PC0043818
Sample Date		Client Info		15 May 2024	03 May 2023	10 May 2022
Machine Age	hrs	Client Info		1275	11938	11407
Oil Age	hrs	Client Info		1068	531	535
Filter Age	hrs	Client Info		1068	0	430
Oil Changed		Client Info		Not Changd	Changed	Filtered
Filter Changed		Client Info		Not Changd	N/A	Changed
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>200	3	6	7
Chromium	ppm	ASTM D5185(m)	>10	0	0	0
Nickel	ppm	ASTM D5185(m)	>10	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	0	0	<1
Lead	ppm	ASTM D5185(m)	>50	0	<1	<1
Copper	ppm	ASTM D5185(m)	>200	3	<1	3
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

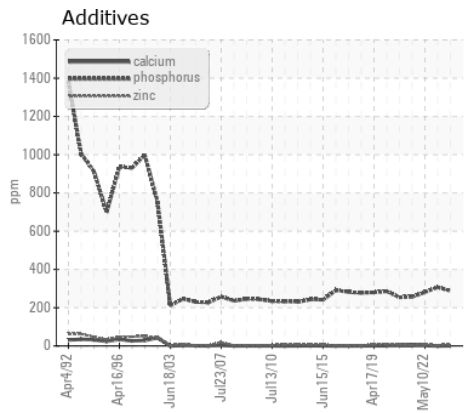
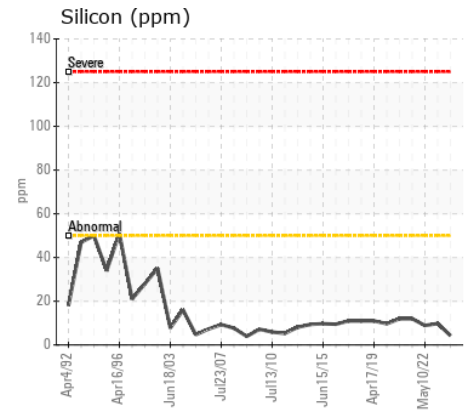
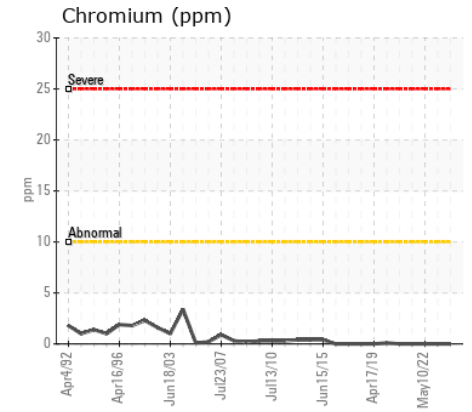
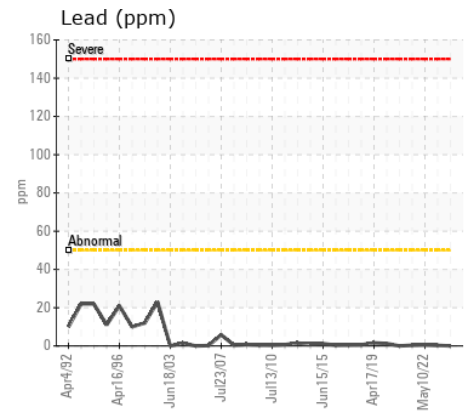
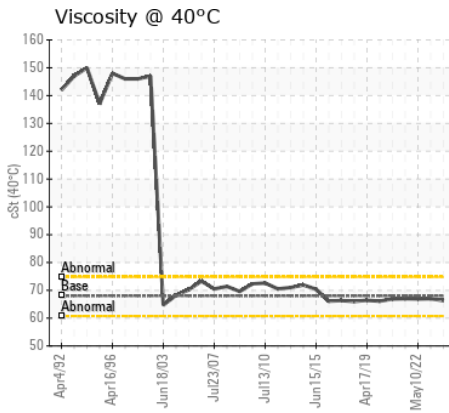
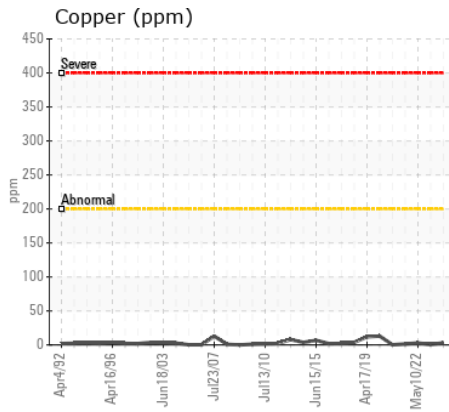
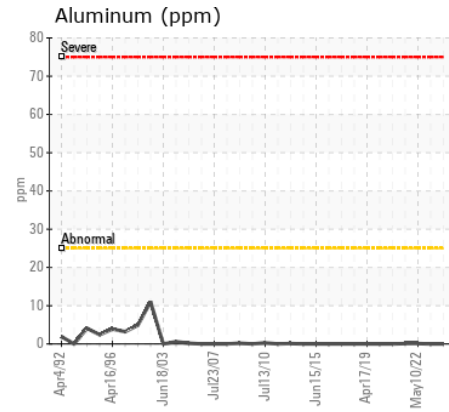
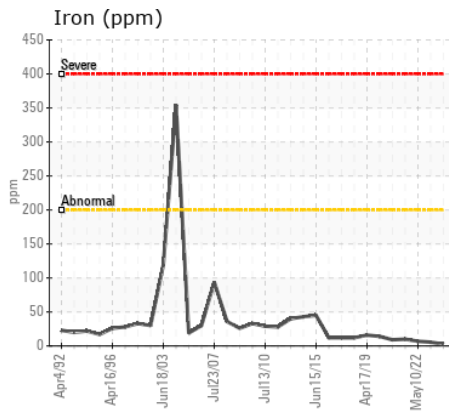
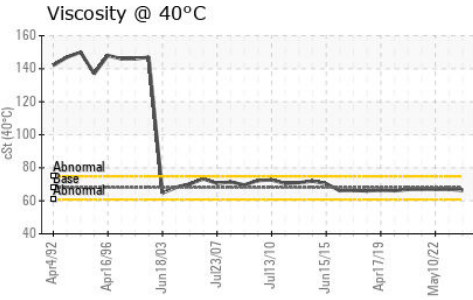
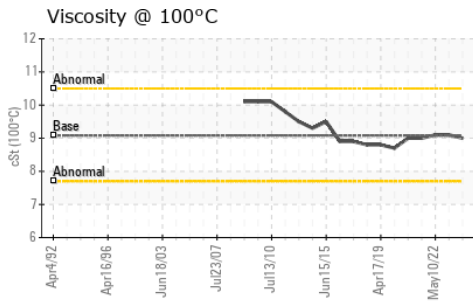
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>50	4	10	9
Potassium	ppm	ASTM D5185(m)	>20	0	0	1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	VLITE
Debris	scalar	Visual*	NONE	VLITE	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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		0	<1	0
Boron	ppm	ASTM D5185(m)	69	70	69	66
Barium	ppm	ASTM D5185(m)	1	0	0	0
Molybdenum	ppm	ASTM D5185(m)	1	0	0	0
Manganese	ppm	ASTM D5185(m)	1	0	0	0
Magnesium	ppm	ASTM D5185(m)	1	<1	0	<1
Calcium	ppm	ASTM D5185(m)	1	<1	0	2
Phosphorus	ppm	ASTM D5185(m)	246	288	307	281
Zinc	ppm	ASTM D5185(m)	1	6	4	5
Sulfur	ppm	ASTM D5185(m)	3670	4610	4722	4697
Visc @ 40°C	cSt	ASTM D7279(m)	68.0	66.3	67.0	66.9
Visc @ 100°C	cSt	ASTM D7279(m)	9.08	9.0	9.1	9.1
Viscosity Index (VI)	Scale	ASTM D2270*	109	110	111	111



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Sample No. : PC0072923

Lab Number : 02638685

Unique Number : 5787847

Test Package : MOB 1 (Additional Tests: KV100, VI)

Received : 29 May 2024

Tested : 31 May 2024

Diagnosed : 31 May 2024 - Wes Davis

THE GEORGIAN PEAKS CLUB

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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.