



LIEBHERR

OIL ANALYSIS REPORT



Area

(353690)

Machine Id

LIEBHERR LH60M 131944-1475

Component

Splitter Box

Fluid

PETRO CANADA TRAXON 75W90 SYNTHETIC (4 LTR)

WEAR

ABNORMAL

CONTAMINATION

NORMAL

FLUID CONDITION

NORMAL

RECOMMENDATION

The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0288314	LH0281357	LH0276953
Sample Date		Client Info		27 Apr 2024	27 Jan 2024	22 Nov 2023
Machine Age	hrs	Client Info		12400	11193	10354
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Iron ppm levels are abnormal. A sharp increase in the iron level is noted. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion.

PQ		ASTM D8184*	>80	0	---	---
Iron	ppm	ASTM D5185(m)	>100	▲ 100	23	24
Chromium	ppm	ASTM D5185(m)	>5	<1	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>20	<1	1	1
Lead	ppm	ASTM D5185(m)	>30	0	0	0
Copper	ppm	ASTM D5185(m)	>20	8	<1	<1
Tin	ppm	ASTM D5185(m)	>10	<1	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

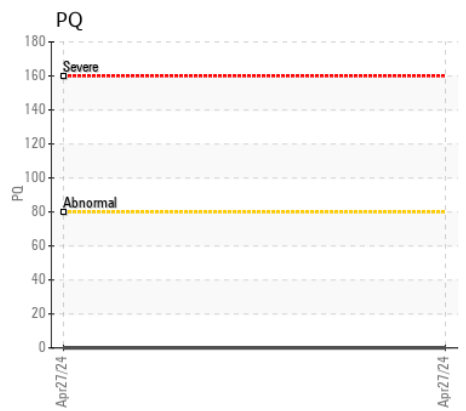
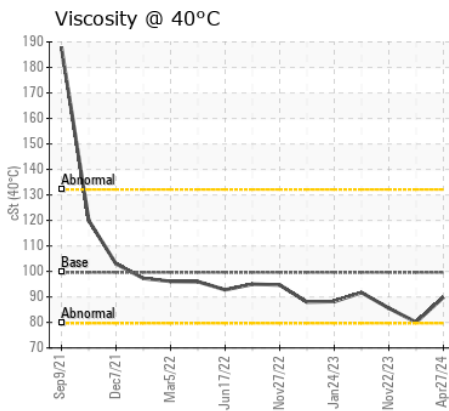
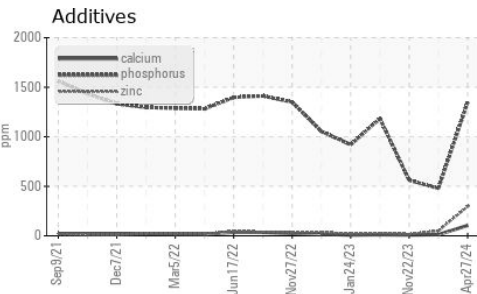
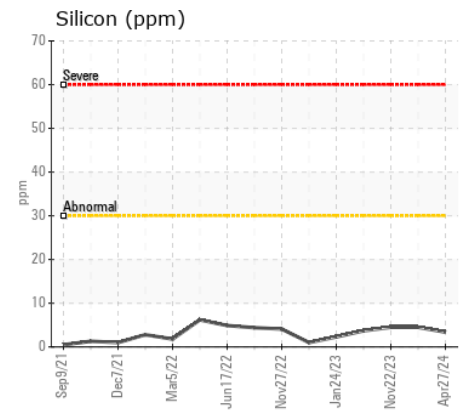
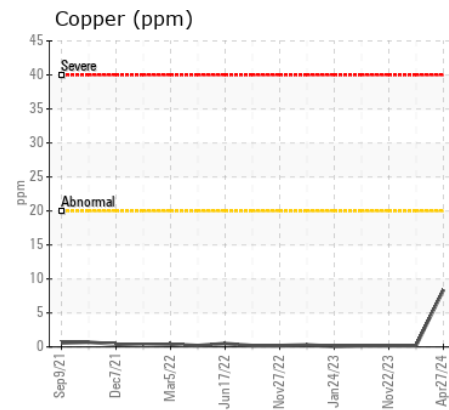
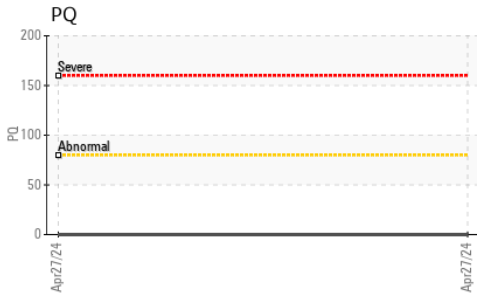
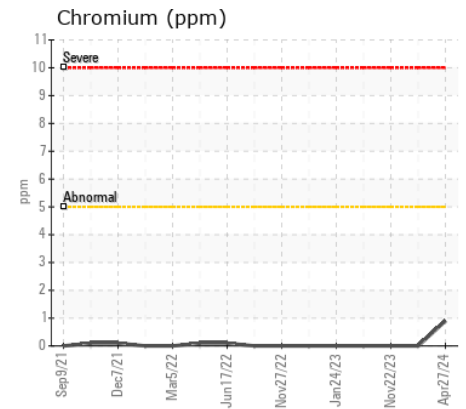
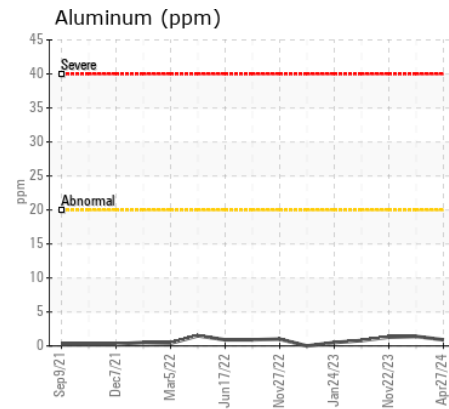
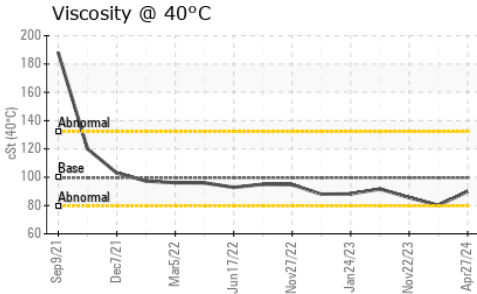
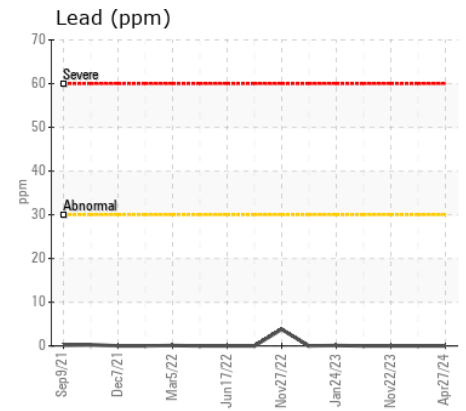
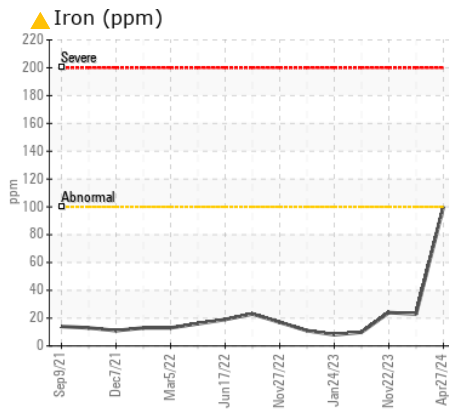
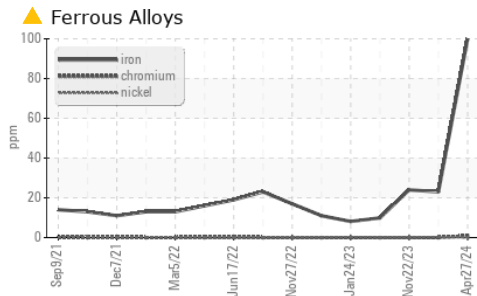
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	3	4	4
Potassium	ppm	ASTM D5185(m)	>20	2	<1	1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
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*	>0.1	NEG	NEG	NEG

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185(m)	>25	2	<1	<1
Boron	ppm	ASTM D5185(m)	328	69	15	31
Barium	ppm	ASTM D5185(m)	1	<1	0	0
Molybdenum	ppm	ASTM D5185(m)		2	0	0
Manganese	ppm	ASTM D5185(m)		1	0	0
Magnesium	ppm	ASTM D5185(m)	1	55	2	2
Calcium	ppm	ASTM D5185(m)	7	105	12	8
Phosphorus	ppm	ASTM D5185(m)	1145	1346	479	561
Zinc	ppm	ASTM D5185(m)	3	296	51	17
Sulfur	ppm	ASTM D5185(m)	17909	16431	15849	17133
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	89.9	80.1	85.6



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0288314
Lab Number : 02635033
Unique Number : 5776186
Test Package : MOB 1 (Additional Tests: PQ)
Received : 13 May 2024
Tested : 14 May 2024
Diagnosed : 14 May 2024 - Kevin Marson

Eacom Timber Corporation
 100 Old Nairn Centre Road
 Nairn Centre, ON
 CA P0M 2L0
 Contact: Service Manager

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.

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