



LIEBHERR

OIL ANALYSIS REPORT



Area

(353690)

Machine Id

LIEBHERR LH60M 131944-1475

Component

Rear Differential

Fluid

PETRO CANADA TRAXON 75W90 SYNTHETIC (48 LTR)

WEAR

NORMAL

CONTAMINATION

ABNORMAL

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.

WEAR

All component wear rates are normal.

CONTAMINATION

There is a trace of moisture present in the oil.

FLUID CONDITION

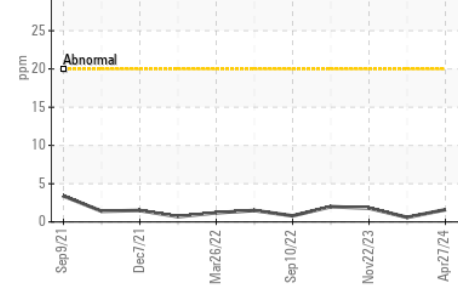
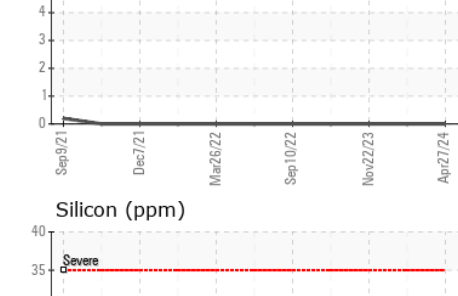
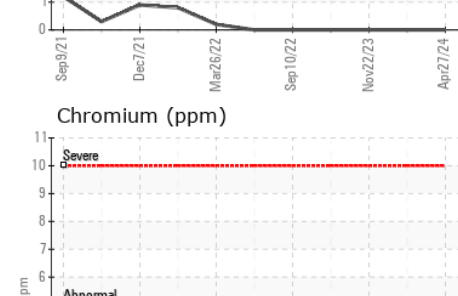
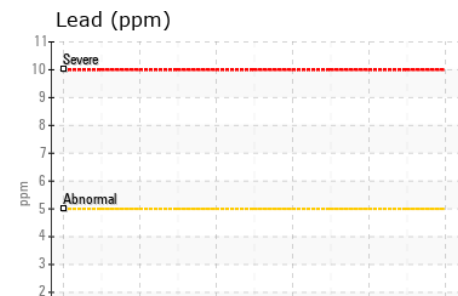
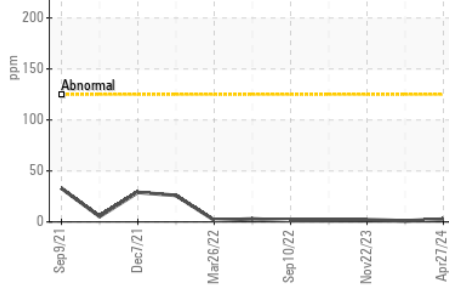
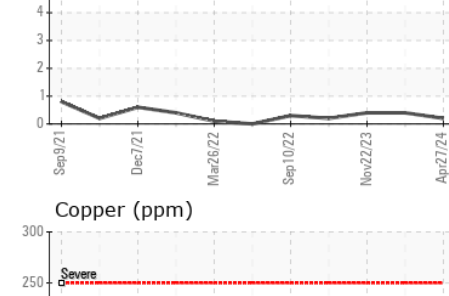
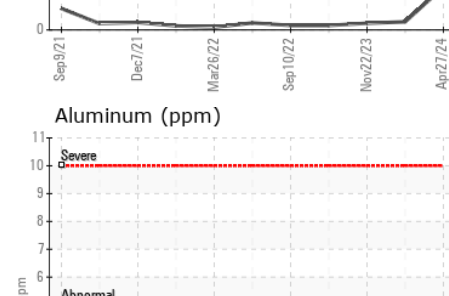
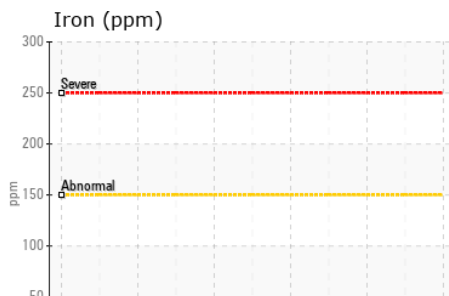
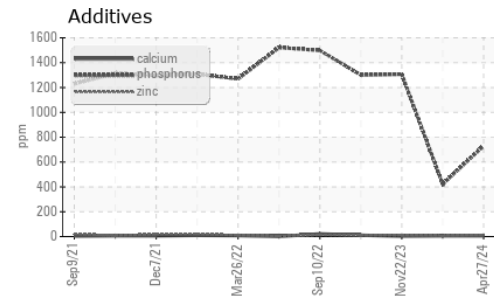
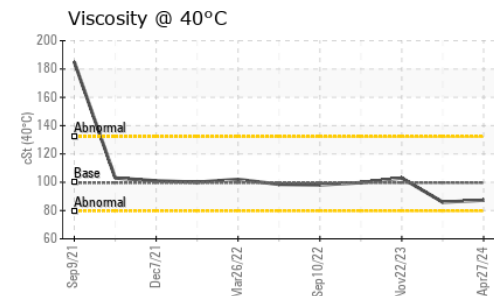
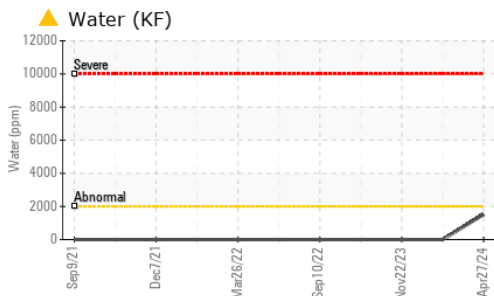
Additive levels indicate the addition of a different brand, or type of oil. The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0288319	LH0281358	LH0276945
Sample Date		Client Info		27 Apr 2024	28 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

Iron	ppm	ASTM D5185(m)	>150	42	8	7
Chromium	ppm	ASTM D5185(m)	>5	0	0	0
Nickel	ppm	ASTM D5185(m)	>10	<1	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>5	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>5	0	0	0
Copper	ppm	ASTM D5185(m)	>125	3	1	2
Tin	ppm	ASTM D5185(m)	>5	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

Silicon	ppm	ASTM D5185(m)	>20	2	<1	2
Potassium	ppm	ASTM D5185(m)	>20	5	<1	<1
Water	%	ASTM D6304*	>0.2	▲ 0.151	---	---
ppm Water	ppm	ASTM D6304*	>2000	▲ 1516	---	---
Silt	scalar	Visual*	NONE	LIGHT	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	VLITE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	VLITE
Appearance	scalar	Visual*	NORML	▲ LAYRD	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.2	▲ .2%	NEG	NEG

Sodium	ppm	ASTM D5185(m)		6	<1	0
Boron	ppm	ASTM D5185(m)	328	4	5	301
Barium	ppm	ASTM D5185(m)	1	<1	0	0
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		<1	0	0
Magnesium	ppm	ASTM D5185(m)	1	2	<1	<1
Calcium	ppm	ASTM D5185(m)	7	6	5	3
Phosphorus	ppm	ASTM D5185(m)	1145	731	423	1307
Zinc	ppm	ASTM D5185(m)	3	12	4	8
Sulfur	ppm	ASTM D5185(m)	17909	21126	16487	21087
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	87.3	85.9	103



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0288319 **Received** : 13 May 2024
Lab Number : 02635020 **Tested** : 14 May 2024
Unique Number : 5776173 **Diagnosed** : 14 May 2024 - Kevin Marson
Test Package : MOB 1 (Additional Tests: KF)

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.

T:
 F: