



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR LH50M 150728-1216
Component
Front Right Wheel Hub
Fluid
PETRO CANADA TRAXON SYNTHETIC 75W90 (4 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0280933	LH0271871	LH0242074
Sample Date		Client Info		29 Apr 2024	09 Feb 2024	21 Nov 2023
Machine Age	hrs	Client Info		1514	1066	500
Oil Age	hrs	Client Info		488	0	500
Filter Age	hrs	Client Info		488	0	500
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	None	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>325	54	72	67
Chromium	ppm	ASTM D5185(m)	>3	0	<1	0
Nickel	ppm	ASTM D5185(m)	>2	0	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	<1
Aluminum	ppm	ASTM D5185(m)	>10	1	2	1
Lead	ppm	ASTM D5185(m)	>4	0	<1	<1
Copper	ppm	ASTM D5185(m)	>75	18	18	21
Tin	ppm	ASTM D5185(m)	>3	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

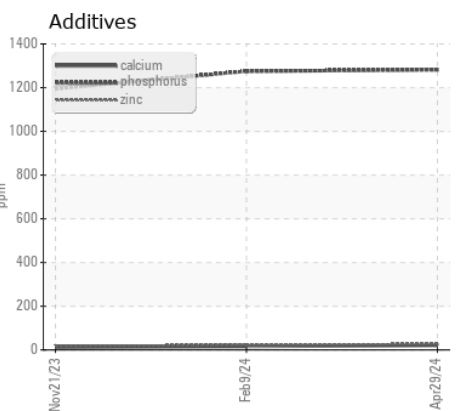
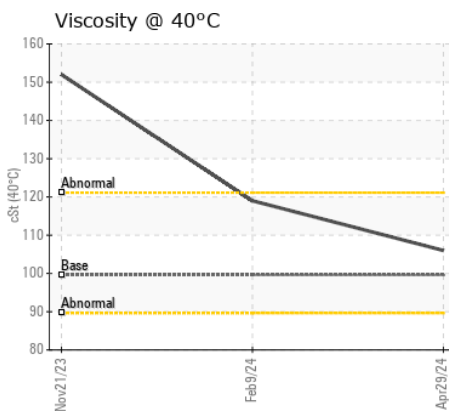
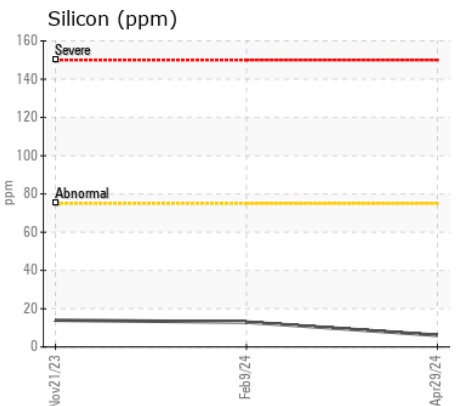
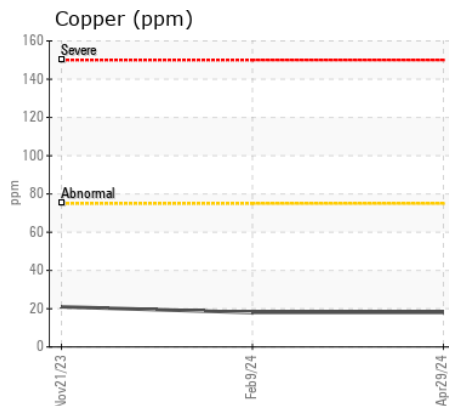
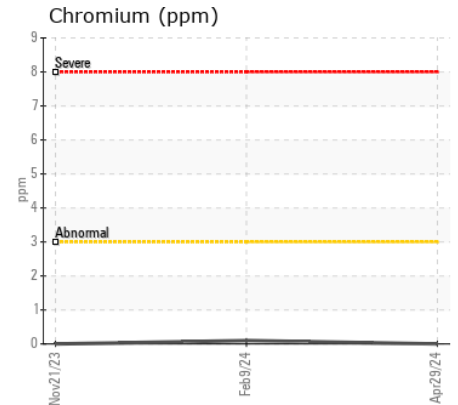
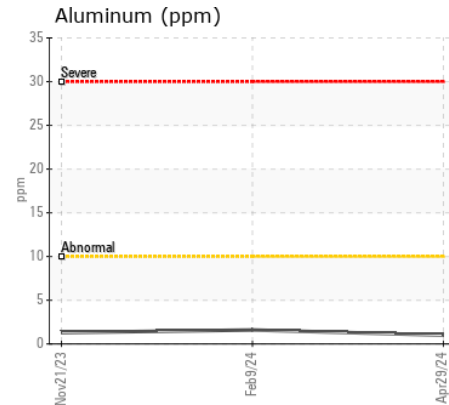
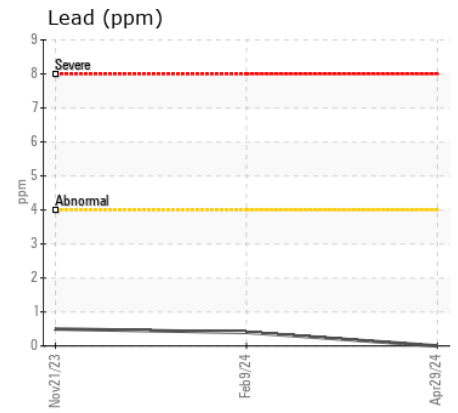
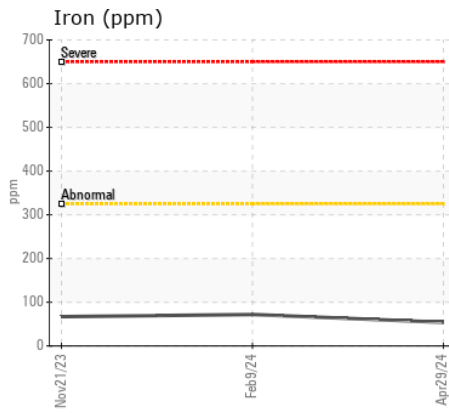
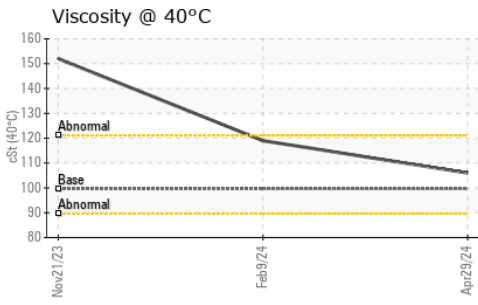
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	6	13	14
Potassium	ppm	ASTM D5185(m)	>20	2	2	1
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		6	7	5
Boron	ppm	ASTM D5185(m)	328	208	127	2
Barium	ppm	ASTM D5185(m)	1	0	0	<1
Molybdenum	ppm	ASTM D5185(m)		0	0	0
Manganese	ppm	ASTM D5185(m)		2	2	2
Magnesium	ppm	ASTM D5185(m)	1	2	1	<1
Calcium	ppm	ASTM D5185(m)	7	21	16	13
Phosphorus	ppm	ASTM D5185(m)	1145	1282	1275	1195
Zinc	ppm	ASTM D5185(m)	3	27	23	17
Sulfur	ppm	ASTM D5185(m)	17909	19533	18719	15618
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	106	119	152



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0280933 **Received** : 06 May 2024
Lab Number : 02633638 **Tested** : 06 May 2024
Unique Number : 5774791 **Diagnosed** : 06 May 2024 - Wes Davis
Test Package : MOB 1

ABC RECYCLING
 750C JACKSON RD
 NANAIMO, BC
 CA V9X 1J2

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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.