



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 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

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

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>325	72	67	---
Chromium	ppm	ASTM D5185(m)	>3	<1	0	---
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	<1	---
Aluminum	ppm	ASTM D5185(m)	>10	2	1	---
Lead	ppm	ASTM D5185(m)	>4	<1	<1	---
Copper	ppm	ASTM D5185(m)	>75	18	21	---
Tin	ppm	ASTM D5185(m)	>3	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

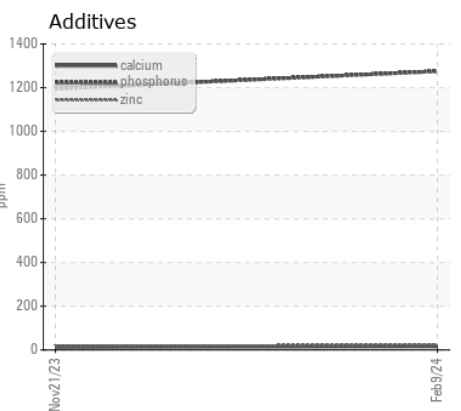
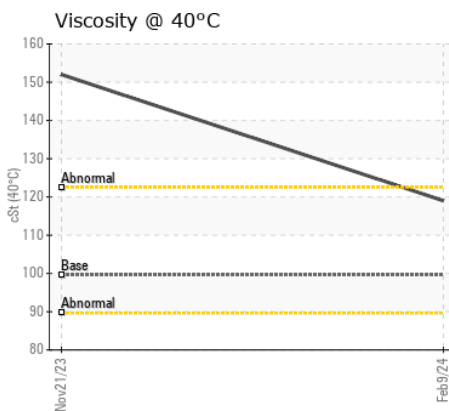
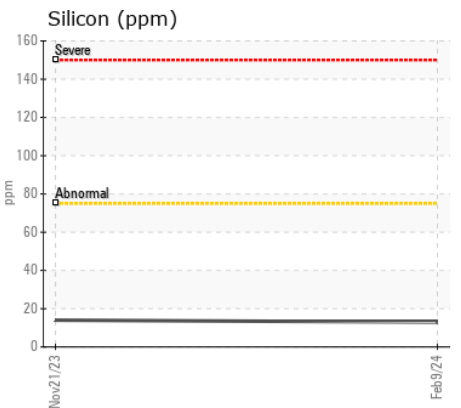
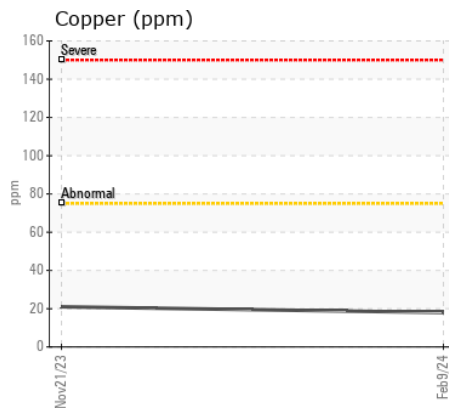
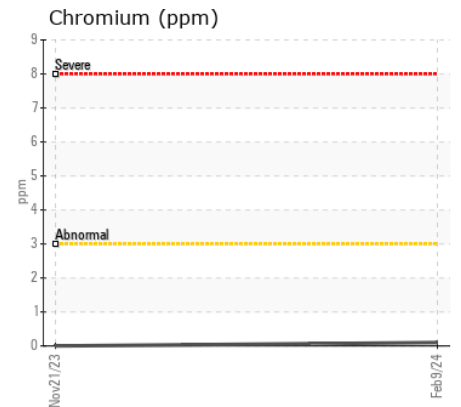
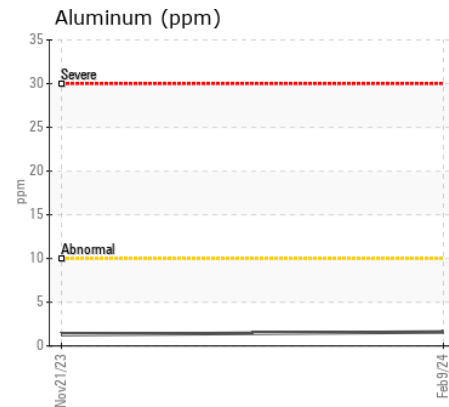
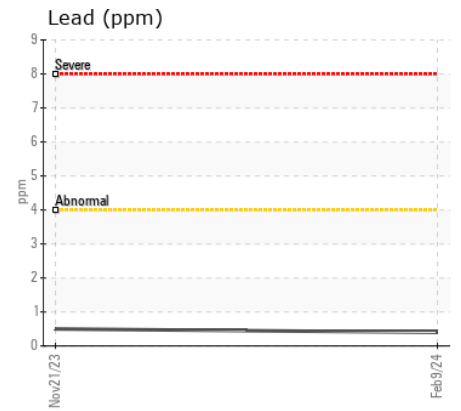
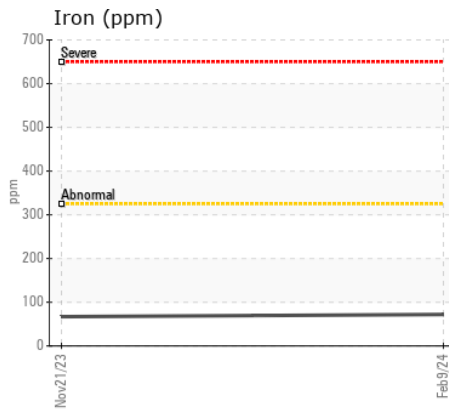
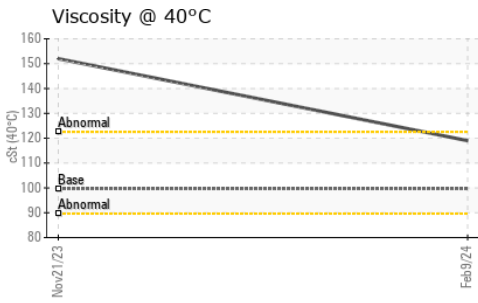
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	13	14	---
Potassium	ppm	ASTM D5185(m)	>20	2	1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	VLITE	---
Debris	scalar	Visual*	NONE	NONE	NONE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	NEG	---

FLUID CONDITION

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

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



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0271871 **Received** : 26 Feb 2024
Lab Number : 02618121 **Tested** : 26 Feb 2024
Unique Number : 5735231 **Diagnosed** : 26 Feb 2024 - Wes Davis
Test Package : MOBCE (Additional Tests: Visual)

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.

ABC RECYCLING
 750C JACKSON RD
 NANAIMO, BC
 CA V9X 1J2
 Contact: Jordie Richmond
 jordie.richmond@abcrcycling.com
 T: (250)202-8235
 F: