



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR LH50M 150728-1216

Component
Swing Drive

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		LH0271868	LH0242068	---
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)	>1450	119	167	---
Chromium	ppm	ASTM D5185(m)	>11	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>3	<1	<1	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	<1	---
Aluminum	ppm	ASTM D5185(m)	>4	1	<1	---
Lead	ppm	ASTM D5185(m)	>4	2	2	---
Copper	ppm	ASTM D5185(m)	>542	65	83	---
Tin	ppm	ASTM D5185(m)	>38	4	5	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

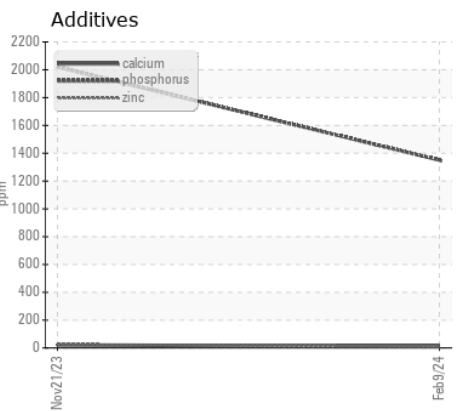
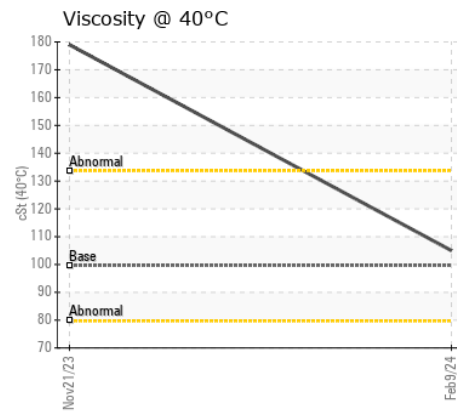
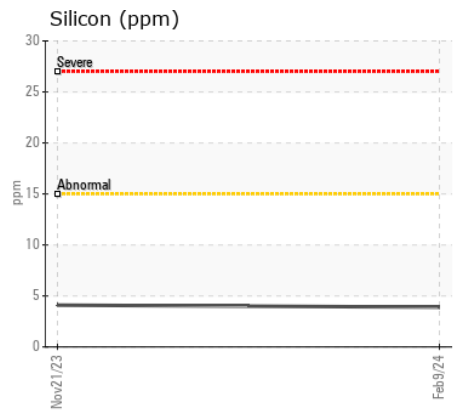
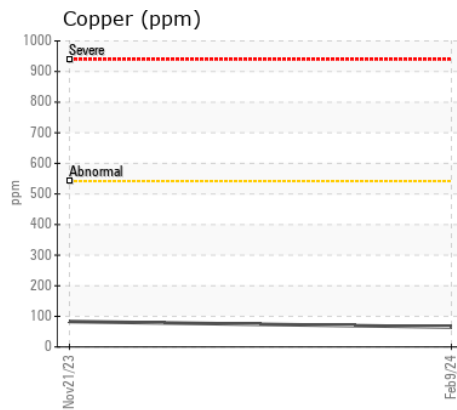
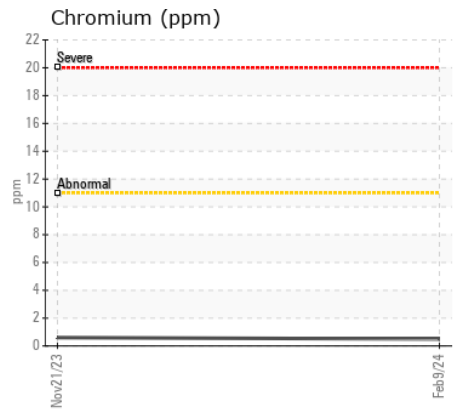
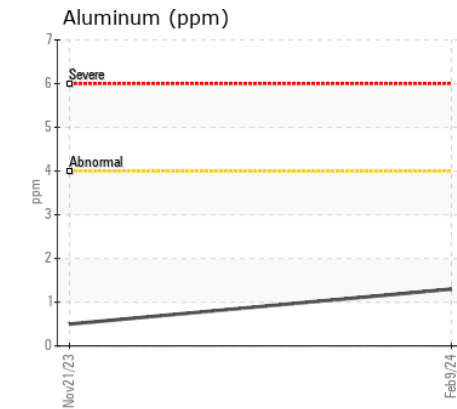
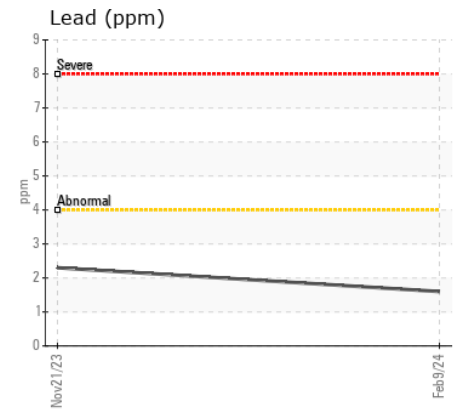
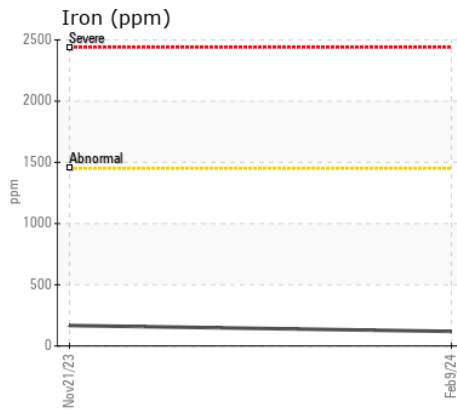
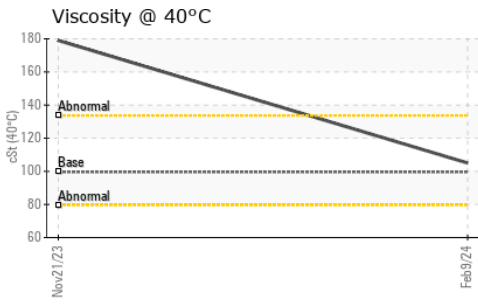
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>15	4	4	---
Potassium	ppm	ASTM D5185(m)	>20	1	<1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	LIGHT	---
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)		1	3	---
Boron	ppm	ASTM D5185(m)	328	247	23	---
Barium	ppm	ASTM D5185(m)	1	2	7	---
Molybdenum	ppm	ASTM D5185(m)		0	0	---
Manganese	ppm	ASTM D5185(m)		<1	2	---
Magnesium	ppm	ASTM D5185(m)	1	1	1	---
Calcium	ppm	ASTM D5185(m)	7	11	22	---
Phosphorus	ppm	ASTM D5185(m)	1145	1350	2021	---
Zinc	ppm	ASTM D5185(m)	3	11	25	---
Sulfur	ppm	ASTM D5185(m)	17909	20555	23592	---
Visc @ 40°C	cSt	ASTM D7279(m)	99.6	105	179	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0271868 **Received** : 26 Feb 2024
Lab Number : 02618117 **Tested** : 26 Feb 2024
Unique Number : 5735227 **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.

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