



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR L506 55808
Component
Rear Differential
Fluid
LIEBHERR GEAR BASIC 90 LS (--- LTR)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill.
Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0289872	---	---
Sample Date		Client Info		07 May 2024	---	---
Machine Age	hrs	Client Info		447	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>1250	241	---	---
Chromium	ppm	ASTM D5185(m)	>6	2	---	---
Nickel	ppm	ASTM D5185(m)	>4	<1	---	---
Titanium	ppm	ASTM D5185(m)		<1	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>35	1	---	---
Lead	ppm	ASTM D5185(m)	>4	0	---	---
Copper	ppm	ASTM D5185(m)	>30	<1	---	---
Tin	ppm	ASTM D5185(m)	>4	0	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	VLITE	---	---

CONTAMINATION

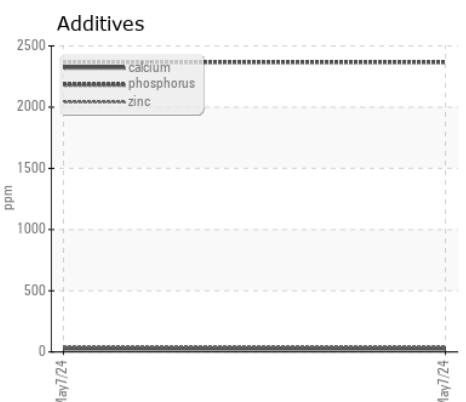
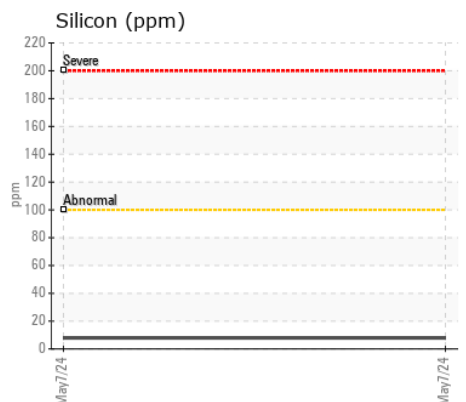
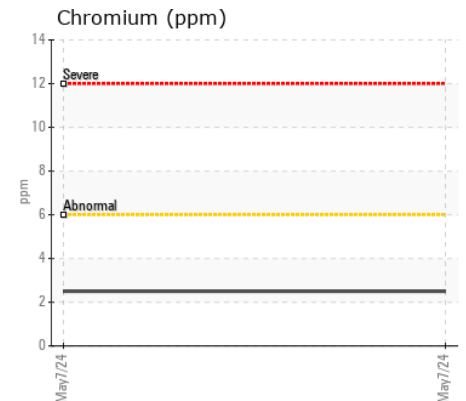
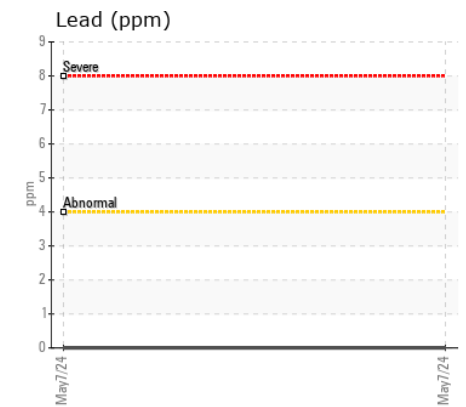
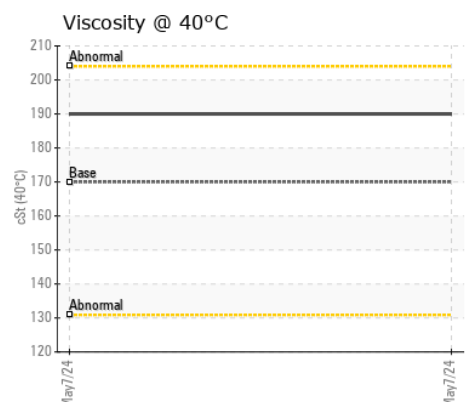
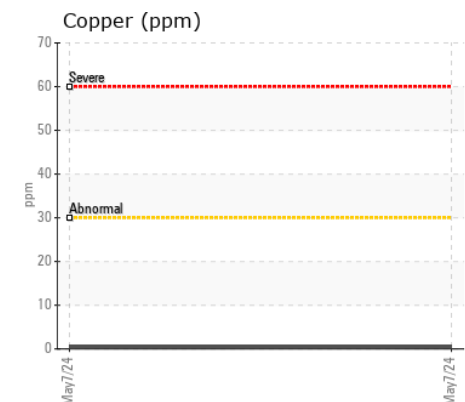
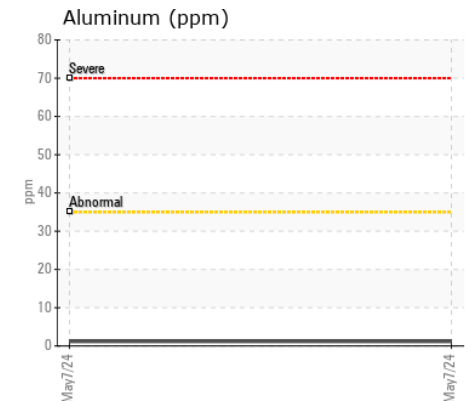
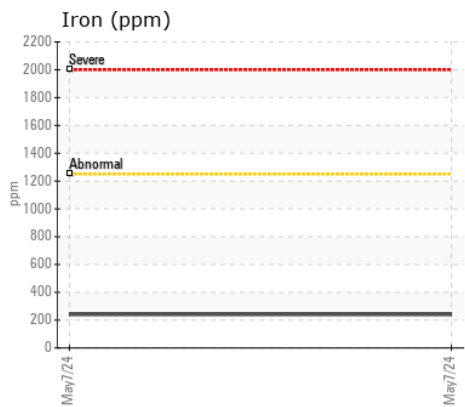
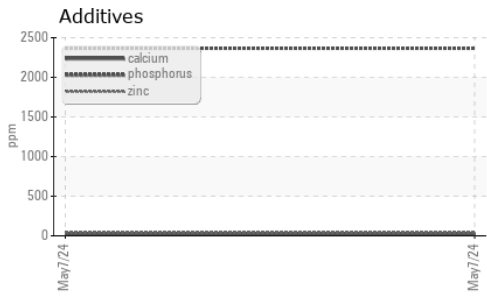
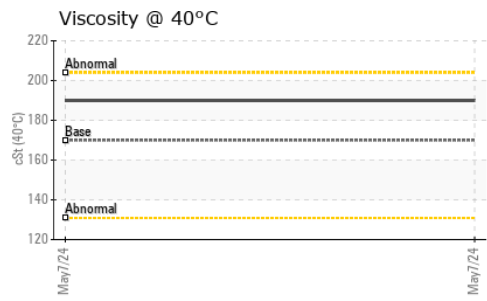
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>100	8	---	---
Potassium	ppm	ASTM D5185(m)	>20	4	---	---
Water		WC Method	>.2	NEG	---	---
Silt	scalar	Visual*	NONE	NONE	---	---
Debris	scalar	Visual*	NONE	NONE	---	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---	---
Appearance	scalar	Visual*	NORML	NORML	---	---
Odor	scalar	Visual*	NORML	NORML	---	---
Emulsified Water	scalar	Visual*	>.2	NEG	---	---

FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil.
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		12	---	---
Boron	ppm	ASTM D5185(m)	0	3	---	---
Barium	ppm	ASTM D5185(m)	0	5	---	---
Molybdenum	ppm	ASTM D5185(m)	0	0	---	---
Manganese	ppm	ASTM D5185(m)	0	8	---	---
Magnesium	ppm	ASTM D5185(m)	<1	3	---	---
Calcium	ppm	ASTM D5185(m)	<1	26	---	---
Phosphorus	ppm	ASTM D5185(m)	2143	2367	---	---
Zinc	ppm	ASTM D5185(m)	<1	41	---	---
Sulfur	ppm	ASTM D5185(m)	23468	25888	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	170	190	---	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0289872 **Received** : 09 May 2024
Lab Number : 02634397 **Tested** : 09 May 2024
Unique Number : 5775550 **Diagnosed** : 09 May 2024 - Wes Davis
Test Package : MOB 1

Polyexcave Inc.
 787 Ch. Du Moine
 St-Anne de Sorel, QC
 CA J3P 5N3
 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: