



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR L550 076577-1825
Component
Rear Differential
Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0290653	---	---
Sample Date		Client Info		11 Jun 2024	---	---
Machine Age	hrs	Client Info		541	---	---
Oil Age	hrs	Client Info		0	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		N/A	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

Metal levels are typical for a new component breaking in.

Iron	ppm	ASTM D5185(m)	>1250	295	---	---
Chromium	ppm	ASTM D5185(m)	>6	2	---	---
Nickel	ppm	ASTM D5185(m)	>4	4	---	---
Titanium	ppm	ASTM D5185(m)		0	---	---
Silver	ppm	ASTM D5185(m)		0	---	---
Aluminum	ppm	ASTM D5185(m)	>35	2	---	---
Lead	ppm	ASTM D5185(m)	>4	2	---	---
Copper	ppm	ASTM D5185(m)	>30	91	---	---
Tin	ppm	ASTM D5185(m)	>4	7	---	---
Vanadium	ppm	ASTM D5185(m)		0	---	---
White Metal	scalar	Visual*	NONE	NONE	---	---
Yellow Metal	scalar	Visual*	NONE	NONE	---	---

CONTAMINATION

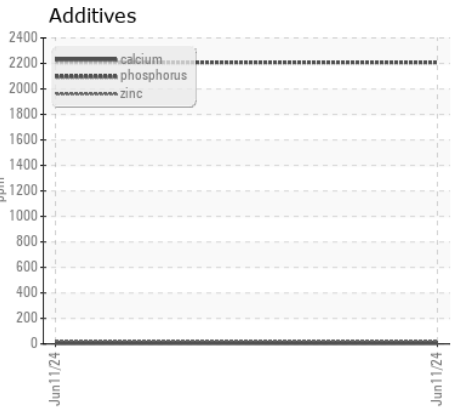
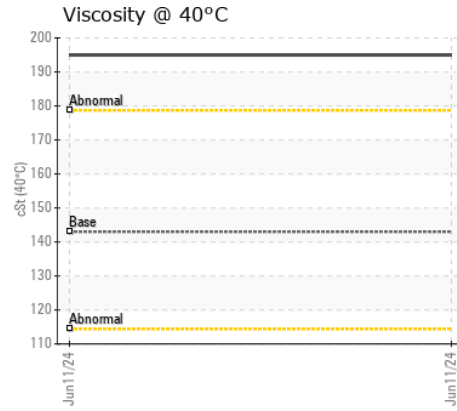
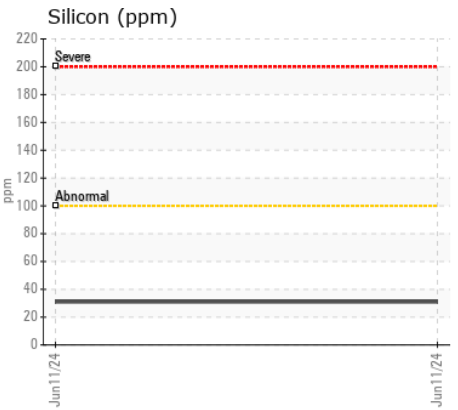
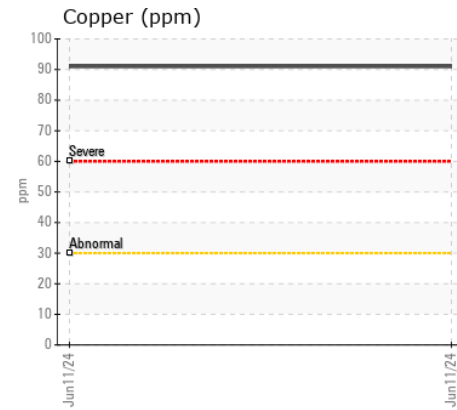
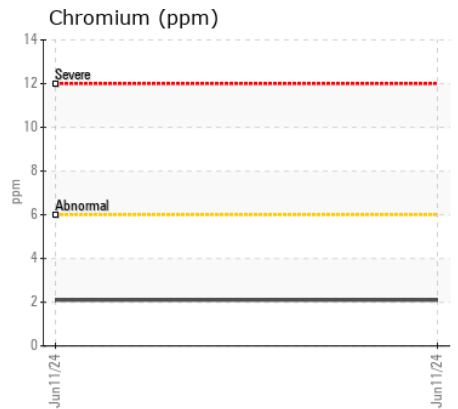
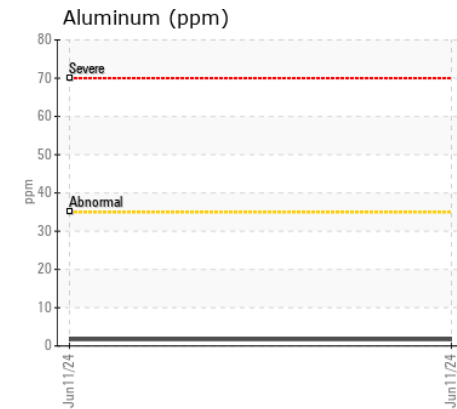
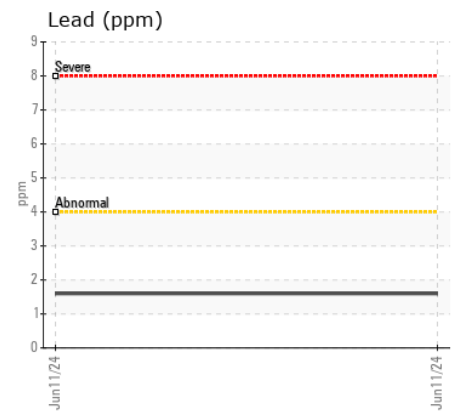
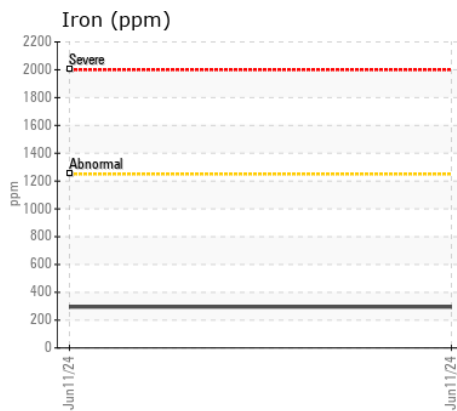
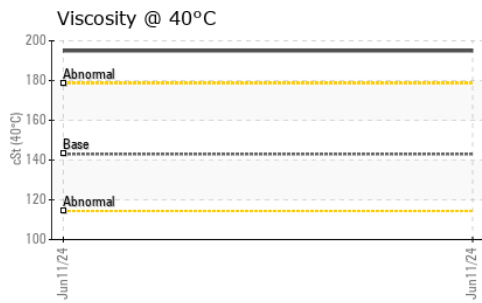
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>100	31	---	---
Potassium	ppm	ASTM D5185(m)	>20	<1	---	---
Water		WC Method	>.2	NEG	---	---
Silt	scalar	Visual*	NONE	VLITE	---	---
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

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

Sodium	ppm	ASTM D5185(m)	>170	7	---	---
Boron	ppm	ASTM D5185(m)	400	2	---	---
Barium	ppm	ASTM D5185(m)	200	<1	---	---
Molybdenum	ppm	ASTM D5185(m)	12	0	---	---
Manganese	ppm	ASTM D5185(m)		21	---	---
Magnesium	ppm	ASTM D5185(m)	12	3	---	---
Calcium	ppm	ASTM D5185(m)	150	6	---	---
Phosphorus	ppm	ASTM D5185(m)	1650	2208	---	---
Zinc	ppm	ASTM D5185(m)	125	25	---	---
Sulfur	ppm	ASTM D5185(m)	22500	24928	---	---
Visc @ 40°C	cSt	ASTM D7279(m)	143	195	---	---



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0290653
Lab Number : 02642082
Unique Number : 5799621
Test Package : MOB 1

142975 CANADA LTEE (MIRONOR)
 751 CH DE LA 2E CONCESSION
 BROWNSBURG-CHATHAM, QC
 CA J8G 1S9
 Contact: Francis Sylvestre

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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