



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
(357696)
Machine Id
LIEBHERR LH50M 133969-1216
Component
Front Differential
Fluid
GEAR OIL SAE 75W90 (--- 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 75W90. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0286523	LH0230834	---
Sample Date		Client Info		04 Mar 2024	19 Aug 2022	---
Machine Age	hrs	Client Info		3503	1605	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				NORMAL	NORMAL	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>190	7	2	---
Chromium	ppm	ASTM D5185(m)	>2	0	0	---
Nickel	ppm	ASTM D5185(m)	>2	0	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>5	<1	0	---
Lead	ppm	ASTM D5185(m)	>15	<1	<1	---
Copper	ppm	ASTM D5185(m)	>70	11	18	---
Tin	ppm	ASTM D5185(m)	>2	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

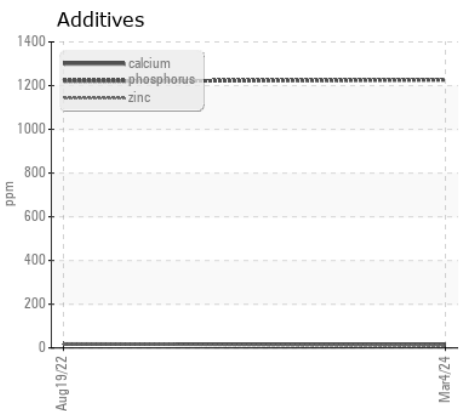
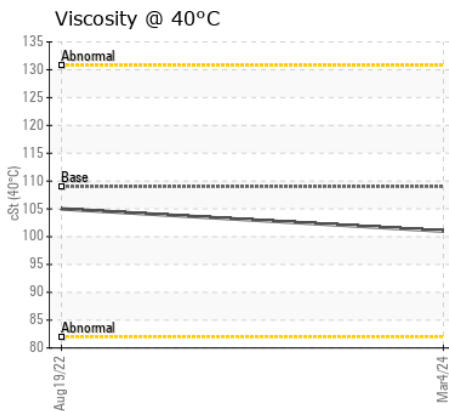
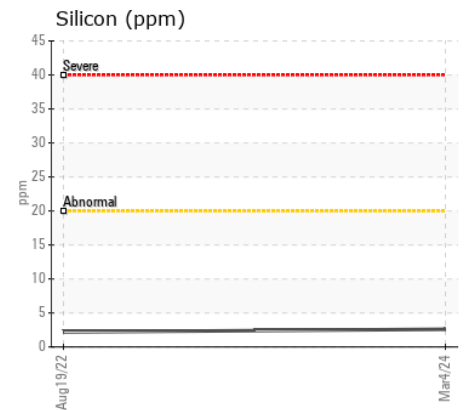
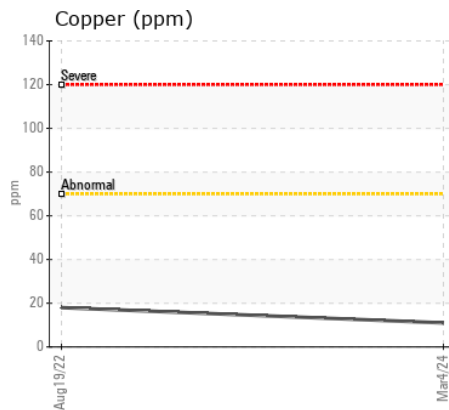
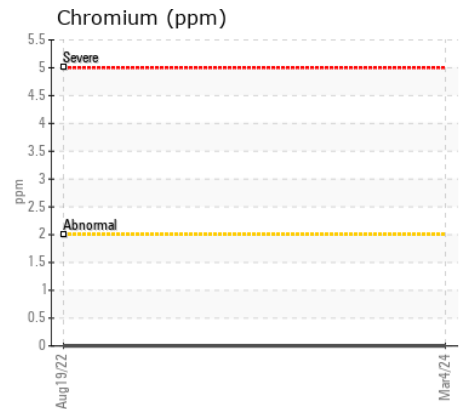
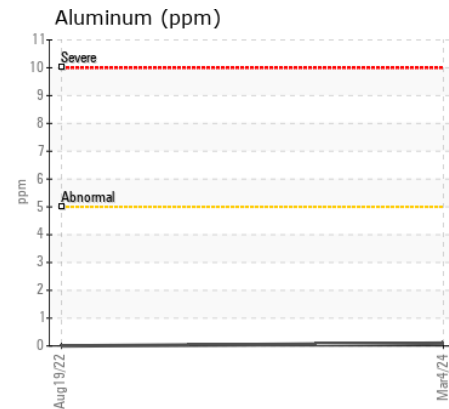
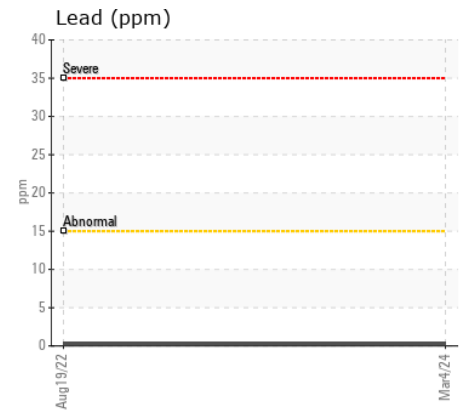
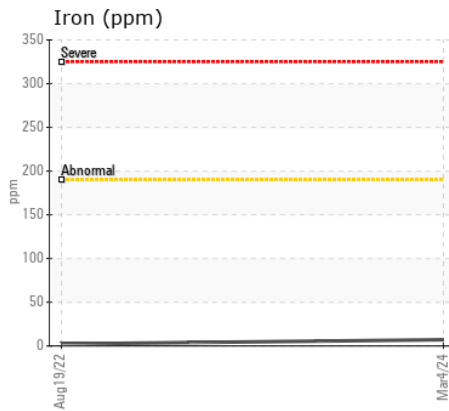
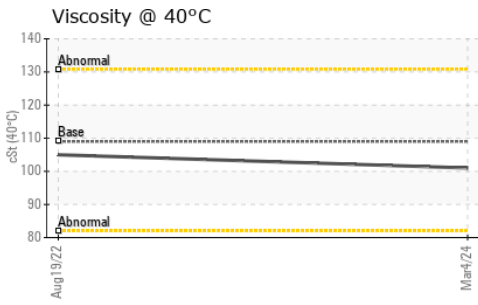
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>20	3	2	---
Potassium	ppm	ASTM D5185(m)	>20	1	<1	---
Water		WC Method	>.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	NORML	---
Emulsified Water	scalar	Visual*	>.2	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		<1	<1	---
Boron	ppm	ASTM D5185(m)	400	298	309	---
Barium	ppm	ASTM D5185(m)	200	5	0	---
Molybdenum	ppm	ASTM D5185(m)	12	0	0	---
Manganese	ppm	ASTM D5185(m)		0	<1	---
Magnesium	ppm	ASTM D5185(m)	12	2	1	---
Calcium	ppm	ASTM D5185(m)	150	16	18	---
Phosphorus	ppm	ASTM D5185(m)	1650	1226	1220	---
Zinc	ppm	ASTM D5185(m)	125	10	17	---
Sulfur	ppm	ASTM D5185(m)	22500	20958	21466	---
Visc @ 40°C	cSt	ASTM D7279(m)	109	101	105	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0286523 **Received** : 07 Mar 2024
Lab Number : 02620633 **Tested** : 07 Mar 2024
Unique Number : 5737743 **Diagnosed** : 07 Mar 2024 - Wes Davis
Test Package : MOB 1

PRIESTLY DEMOLITION
 3200 LLOYDTOWN AURORA RD
 KING, ON
 CA L0G 1J0
 Contact: Krystal Breedon
 kbreedon@priestly.ca

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: