



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
(357696)
Machine Id
LIEBHERR LH50M 133969-1216
Component
Rear Right Wheel Hub
Fluid
GEAR OIL SAE 75W90 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0286529	LH0230830	---
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

An increase in the copper level is noted. All other component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>325	89	14	---
Chromium	ppm	ASTM D5185(m)	>3	<1	0	---
Nickel	ppm	ASTM D5185(m)	>2	<1	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>10	3	<1	---
Lead	ppm	ASTM D5185(m)	>4	2	0	---
Copper	ppm	ASTM D5185(m)	>75	52	6	---
Tin	ppm	ASTM D5185(m)	>3	0	0	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	VLITE	LIGHT	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

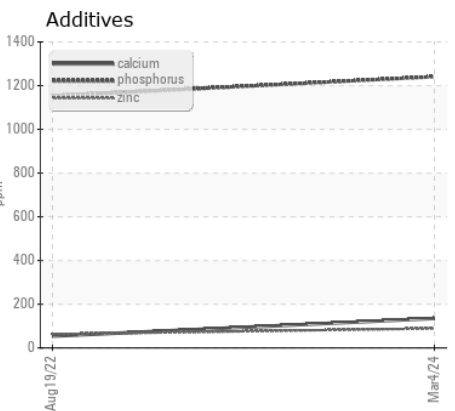
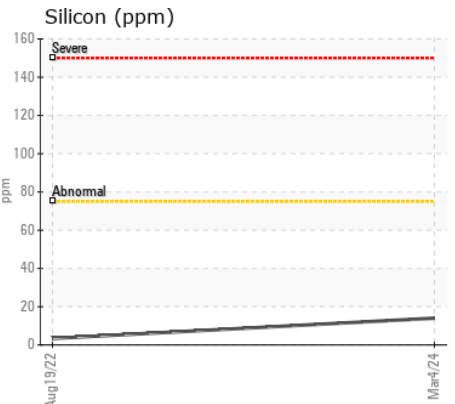
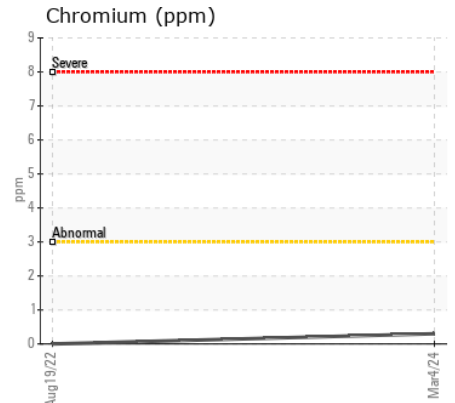
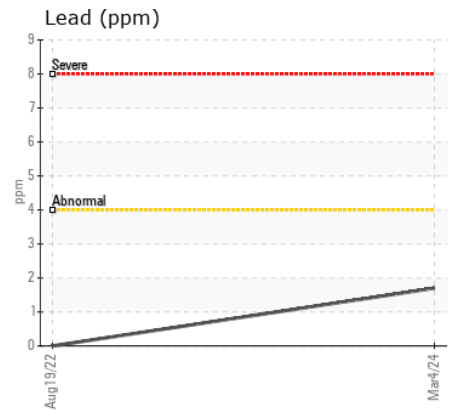
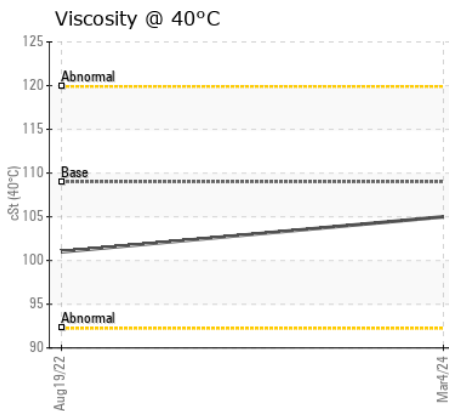
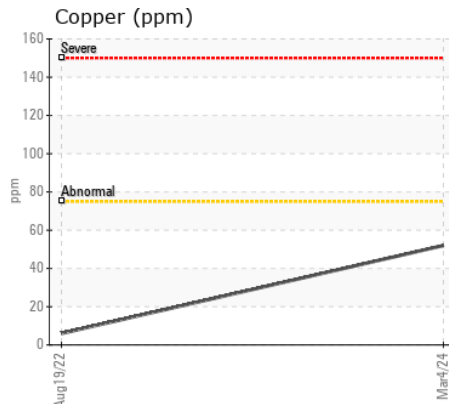
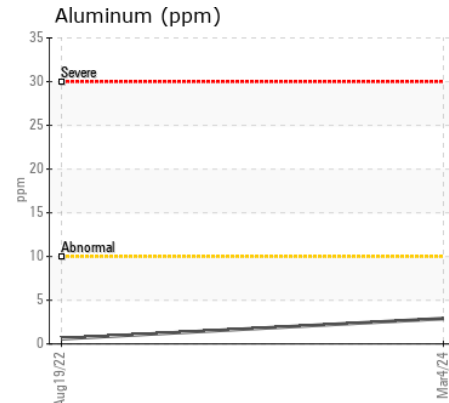
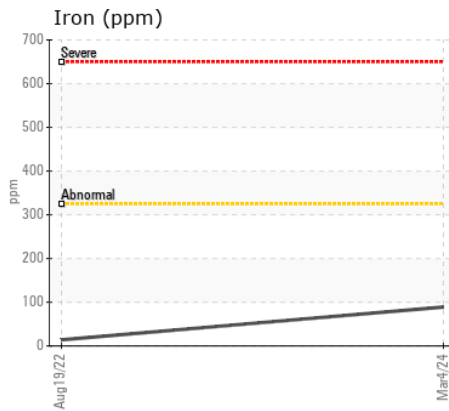
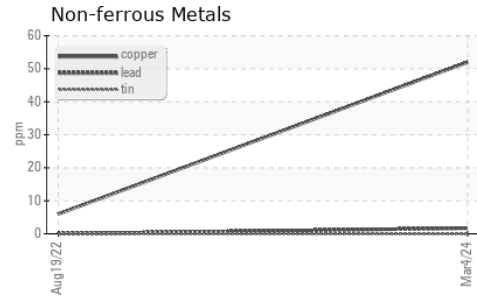
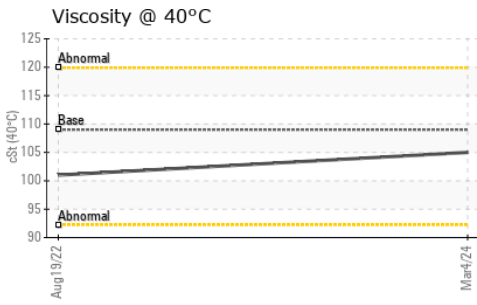
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>75	14	3	---
Potassium	ppm	ASTM D5185(m)	>20	2	<1	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
Debris	scalar	Visual*	NONE	NONE	LIGHT	---
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	1	---
Boron	ppm	ASTM D5185(m)	400	167	285	---
Barium	ppm	ASTM D5185(m)	200	0	0	---
Molybdenum	ppm	ASTM D5185(m)	12	2	0	---
Manganese	ppm	ASTM D5185(m)		4	<1	---
Magnesium	ppm	ASTM D5185(m)	12	3	1	---
Calcium	ppm	ASTM D5185(m)	150	135	54	---
Phosphorus	ppm	ASTM D5185(m)	1650	1241	1153	---
Zinc	ppm	ASTM D5185(m)	125	89	63	---
Sulfur	ppm	ASTM D5185(m)	22500	19876	19559	---
Visc @ 40°C	cSt	ASTM D7279(m)	109	105	101	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0286529
Lab Number : 02620652
Unique Number : 5737762
Test Package : MOB 1
Received : 07 Mar 2024
Tested : 07 Mar 2024
Diagnosed : 07 Mar 2024 - Kevin Marson

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: