



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
(374940)
Machine Id
LIEBHERR LH30M 137944-1253
Component
Swing Drive
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		LH0278729	LH0216022	---
Sample Date		Client Info		22 Feb 2024	31 Aug 2022	---
Machine Age	hrs	Client Info		2777	551	---
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)	>1450	100	115	---
Chromium	ppm	ASTM D5185(m)	>11	<1	<1	---
Nickel	ppm	ASTM D5185(m)	>3	0	0	---
Titanium	ppm	ASTM D5185(m)		0	0	---
Silver	ppm	ASTM D5185(m)		0	0	---
Aluminum	ppm	ASTM D5185(m)	>4	<1	<1	---
Lead	ppm	ASTM D5185(m)	>4	2	2	---
Copper	ppm	ASTM D5185(m)	>542	63	51	---
Tin	ppm	ASTM D5185(m)	>38	2	4	---
Vanadium	ppm	ASTM D5185(m)		0	0	---
White Metal	scalar	Visual*	NONE	NONE	NONE	---
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	---

CONTAMINATION

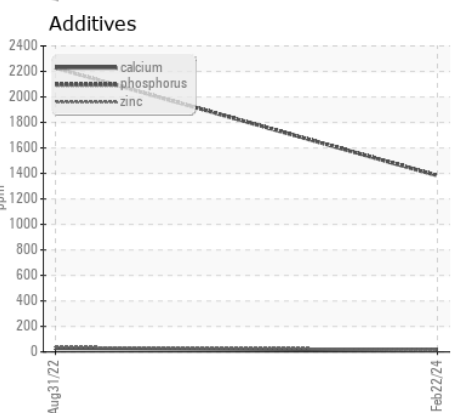
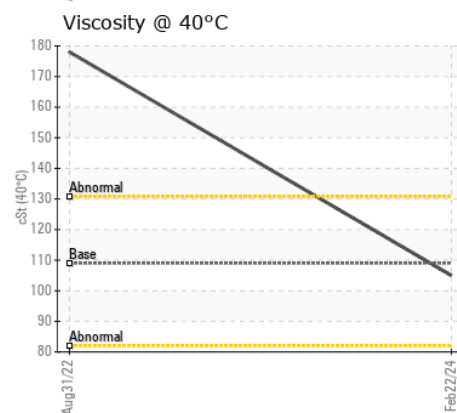
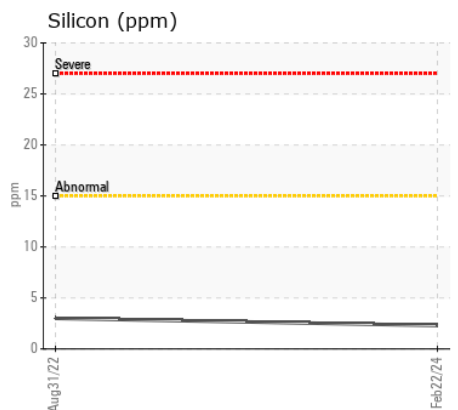
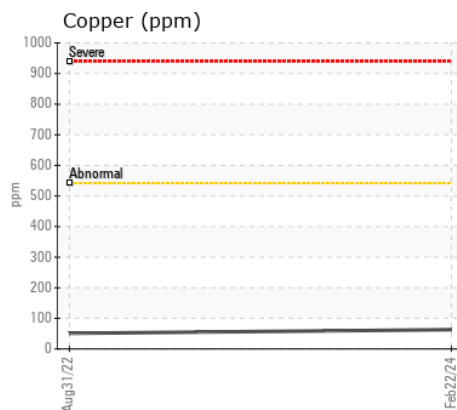
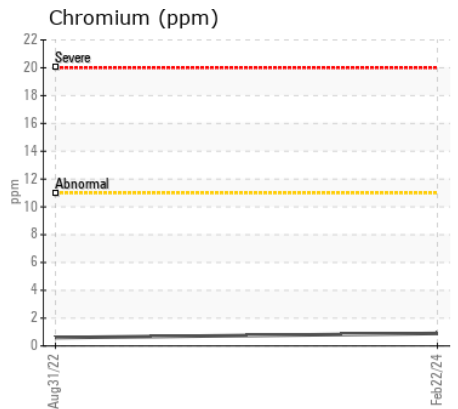
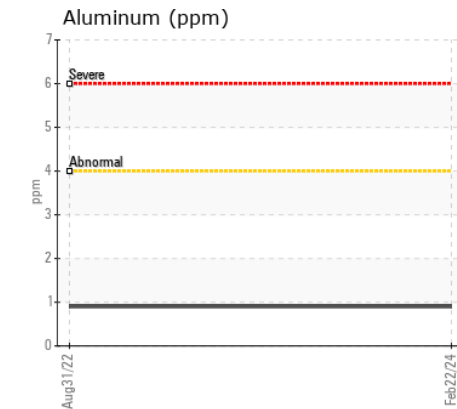
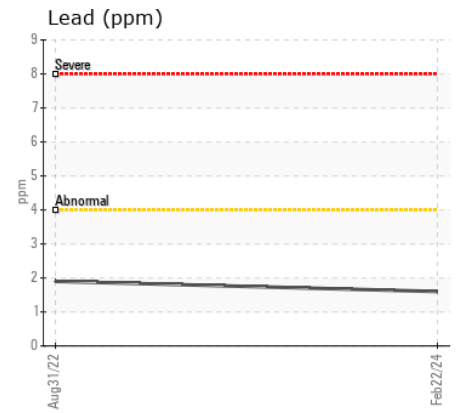
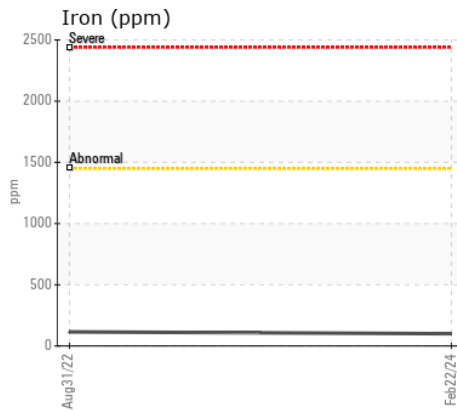
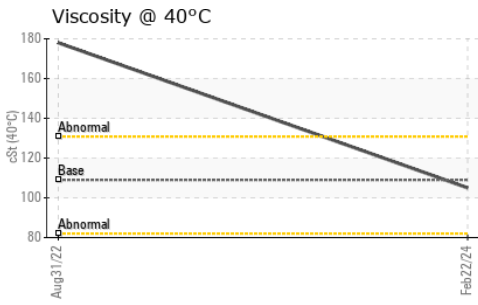
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>15	2	3	---
Potassium	ppm	ASTM D5185(m)	>20	1	2	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	Visual*	NONE	NONE	NONE	---
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)		2	6	---
Boron	ppm	ASTM D5185(m)	400	236	8	---
Barium	ppm	ASTM D5185(m)	200	4	10	---
Molybdenum	ppm	ASTM D5185(m)	12	0	0	---
Manganese	ppm	ASTM D5185(m)		<1	2	---
Magnesium	ppm	ASTM D5185(m)	12	3	2	---
Calcium	ppm	ASTM D5185(m)	150	17	28	---
Phosphorus	ppm	ASTM D5185(m)	1650	1383	2227	---
Zinc	ppm	ASTM D5185(m)	125	20	37	---
Sulfur	ppm	ASTM D5185(m)	22500	21937	31697	---
Visc @ 40°C	cSt	ASTM D7279(m)	109	105	178	---



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0278729 **Received** : 23 Feb 2024
Lab Number : 02617723 **Tested** : 23 Feb 2024
Unique Number : 5734833 **Diagnosed** : 23 Feb 2024 - Wes Davis
Test Package : MOB 1

KINGS AUTO WRECKERS
 1866 DRUMMOND LINE
 PETERBOROUGH, ON
 CA K9J 6X8
 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.

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F: