



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
LIEBHERR LH30M 112545-1253
Component
Transmission (Manual)
Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the fluid.

FLUID CONDITION

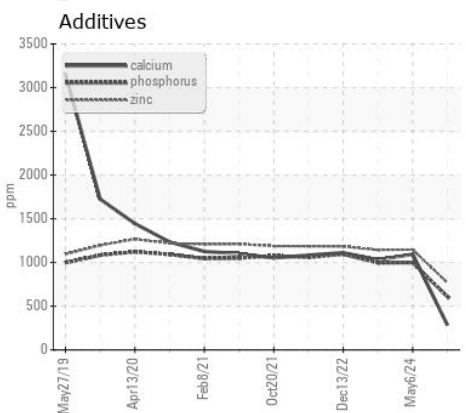
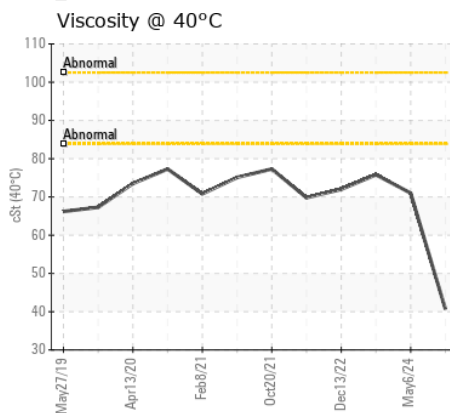
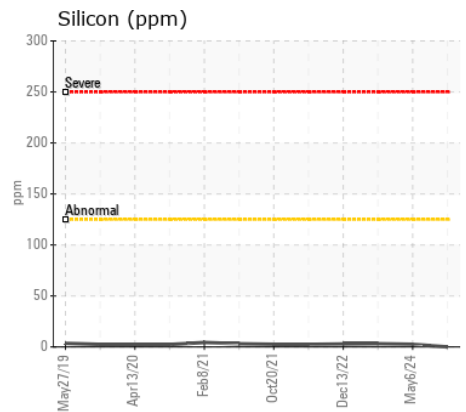
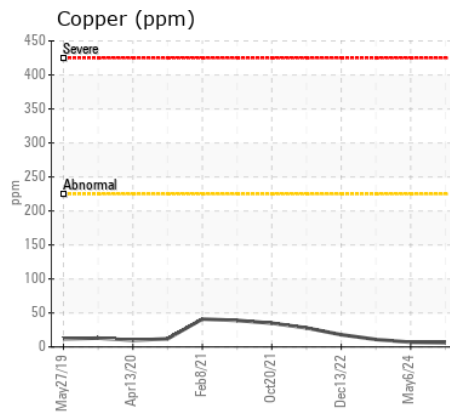
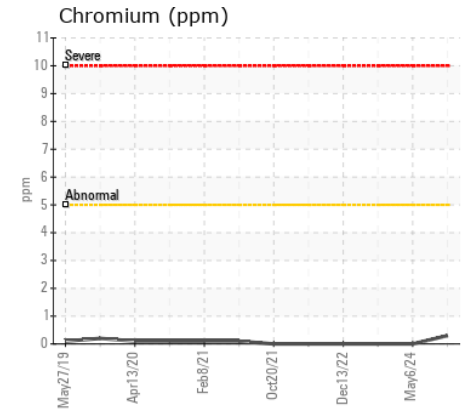
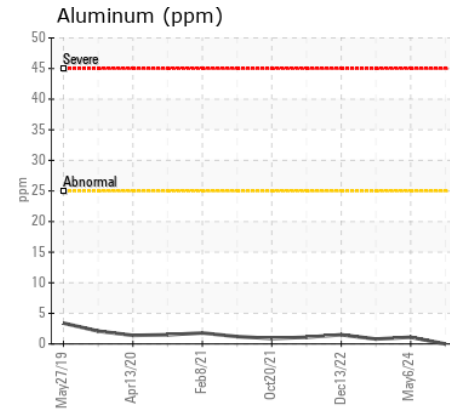
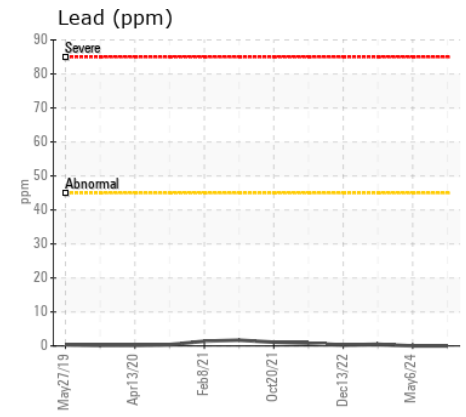
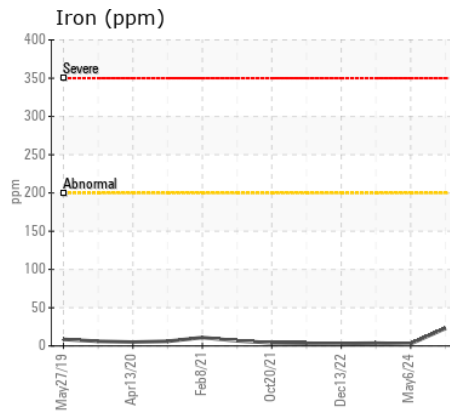
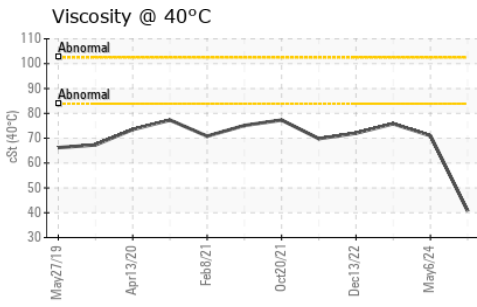
Viscosity of sample indicates oil is within ISO 46 range, advise investigate. The condition of the fluid is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0242374	LH0289578	LH0270126
Sample Date		Client Info		10 May 2024	06 May 2024	27 Sep 2023
Machine Age	hrs	Client Info		0	15168	1297
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

Iron	ppm	ASTM D5185(m)	>200	23	3	4
Chromium	ppm	ASTM D5185(m)	>5	<1	0	0
Nickel	ppm	ASTM D5185(m)	>5	0	<1	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>7	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>25	0	1	<1
Lead	ppm	ASTM D5185(m)	>45	0	0	<1
Copper	ppm	ASTM D5185(m)	>225	6	7	11
Tin	ppm	ASTM D5185(m)	>10	0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
White Metal	scalar	Visual*	NONE	NONE	NONE	NONE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185(m)	>125	0	3	3
Potassium	ppm	ASTM D5185(m)	>20	<1	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	VLITE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	NONE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	▲ WGOIL	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

Sodium	ppm	ASTM D5185(m)		2	1	2
Boron	ppm	ASTM D5185(m)		<1	6	7
Barium	ppm	ASTM D5185(m)		0	0	<1
Molybdenum	ppm	ASTM D5185(m)		0	58	59
Manganese	ppm	ASTM D5185(m)		<1	1	<1
Magnesium	ppm	ASTM D5185(m)		4	961	946
Calcium	ppm	ASTM D5185(m)		286	1094	1031
Phosphorus	ppm	ASTM D5185(m)		611	999	997
Zinc	ppm	ASTM D5185(m)		769	1147	1143
Sulfur	ppm	ASTM D5185(m)		1925	2965	2881
Visc @ 40°C	cSt	ASTM D7279(m)		40.7	71.0	75.8



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0242374 **Received** : 16 May 2024
Lab Number : 02636131 **Tested** : 16 May 2024
Unique Number : 5785293 **Diagnosed** : 17 May 2024 - Kevin Marson
Test Package : MOB 1

GREEN METALS CANADA
 224 BEARDS LANE
 WOODSTOCK, ON
 CA N4S 7W3
 Contact: Jamie Depotie
 jdepotie@gmcan.ca
 T: (519)539-1313
 F: (519)539-5130

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.