



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
(346464)
Machine Id
LIEBHERR LH30M 124535-1253
Component
Transmission
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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0286592	LH0269639	LH0224224
Sample Date		Client Info		16 Mar 2024	18 Oct 2023	04 Apr 2022
Machine Age	hrs	Client Info		6121	5046	2025
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>148	9	16	19
Chromium	ppm	ASTM D5185(m)	>4	0	0	<1
Nickel	ppm	ASTM D5185(m)	>4	0	0	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	<1	0
Aluminum	ppm	ASTM D5185(m)	>5	1	2	2
Lead	ppm	ASTM D5185(m)	>203	0	1	1
Copper	ppm	ASTM D5185(m)	>520	17	33	28
Tin	ppm	ASTM D5185(m)	>7	<1	<1	2
Vanadium	ppm	ASTM D5185(m)		0	0	<1
White Metal	scalar	Visual*	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	NONE

CONTAMINATION

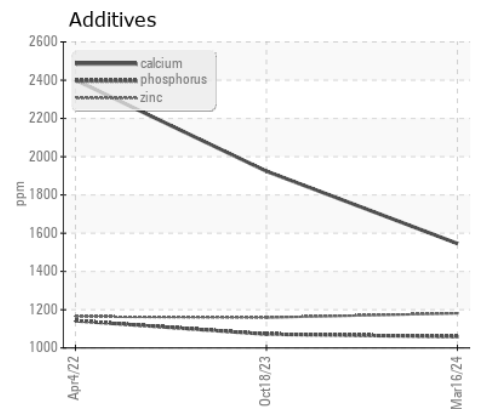
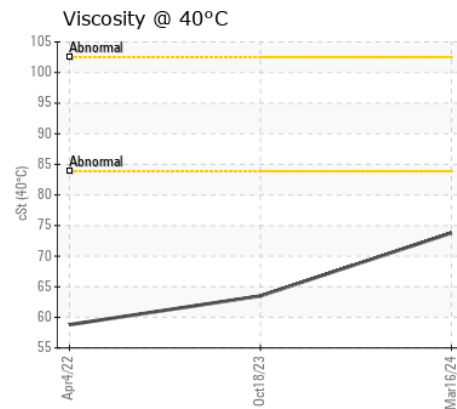
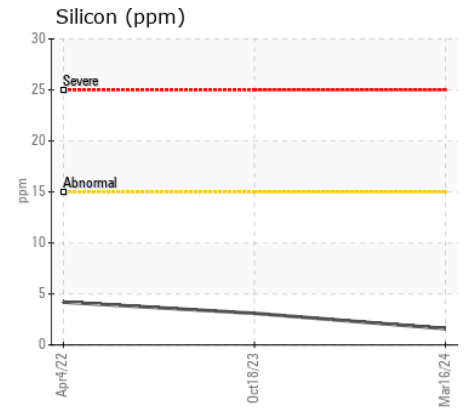
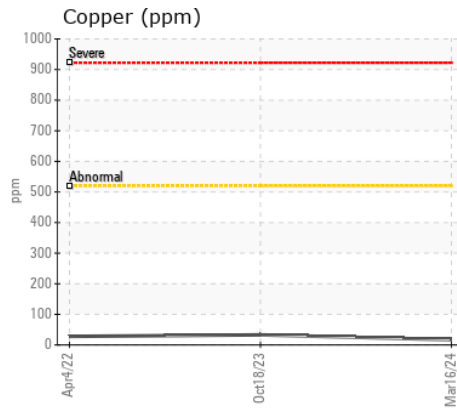
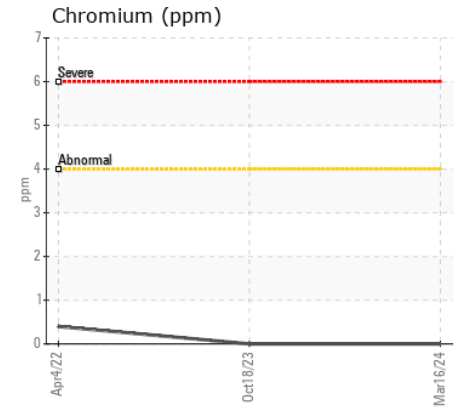
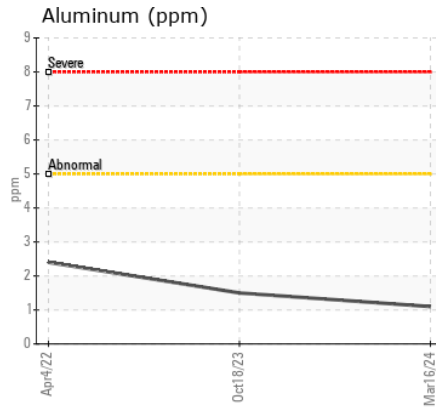
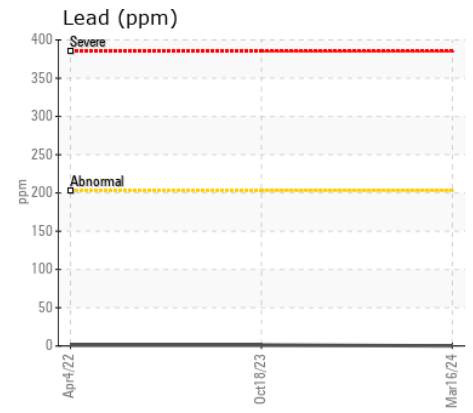
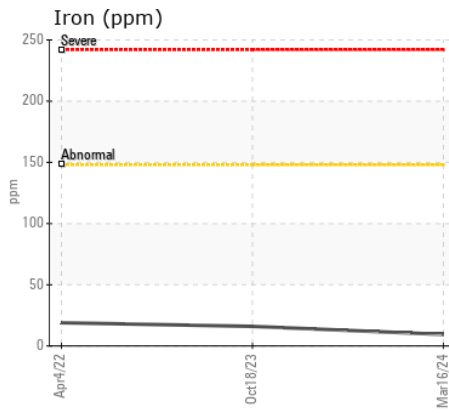
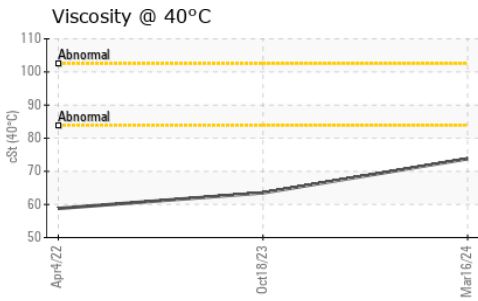
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>15	2	3	4
Potassium	ppm	ASTM D5185(m)	>20	1	<1	3
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	VLITE	VLITE
Debris	scalar	Visual*	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	Visual*	NONE	VLITE	NONE	NONE
Appearance	scalar	Visual*	NORML	NORML	NORML	NORML
Odor	scalar	Visual*	NORML	NORML	NORML	NORML
Emulsified Water	scalar	Visual*	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)		10	18	26
Boron	ppm	ASTM D5185(m)		5	8	12
Barium	ppm	ASTM D5185(m)		<1	<1	<1
Molybdenum	ppm	ASTM D5185(m)		47	37	22
Manganese	ppm	ASTM D5185(m)		8	18	33
Magnesium	ppm	ASTM D5185(m)		793	596	378
Calcium	ppm	ASTM D5185(m)		1546	1924	2401
Phosphorus	ppm	ASTM D5185(m)		1059	1072	1142
Zinc	ppm	ASTM D5185(m)		1181	1159	1164
Sulfur	ppm	ASTM D5185(m)		4166	5470	7091
Visc @ 40°C	cSt	ASTM D7279(m)		73.8	63.5	58.8



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : LH0286592 **Received** : 05 Apr 2024
Lab Number : 02627033 **Tested** : 05 Apr 2024
Unique Number : 5760165 **Diagnosed** : 08 Apr 2024 - Kevin Marson
Test Package : MOB 1

JOHN ROSS & SONS LTD.
 85 GLASSY AVENUE
 TRURO, NS
 CA B2N 6Z1
 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.

T:
F: