



LIEBHERR

OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
(357696)
Machine Id
LIEBHERR LH50M 133969-1216
Component
Splitter Box
Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0286526	LH0247078	LH0230836
Sample Date		Client Info		04 Mar 2024	15 Dec 2022	19 Aug 2022
Machine Age	hrs	Client Info		3503	1867	1605
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		None	None	None
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>80	26	15	24
Chromium	ppm	ASTM D5185(m)	>2	<1	0	0
Nickel	ppm	ASTM D5185(m)	>2	0	0	0
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)		0	0	0
Aluminum	ppm	ASTM D5185(m)	>5	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>2	0	<1	0
Copper	ppm	ASTM D5185(m)	>10	<1	<1	<1
Tin	ppm	ASTM D5185(m)	>2	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

CONTAMINATION

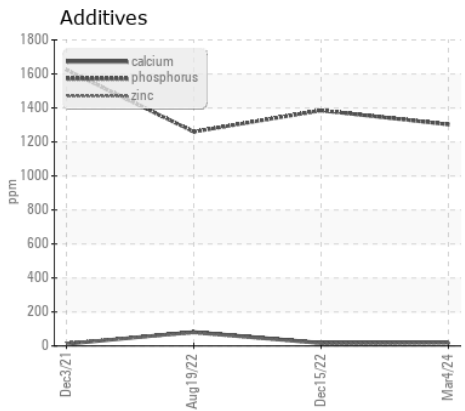
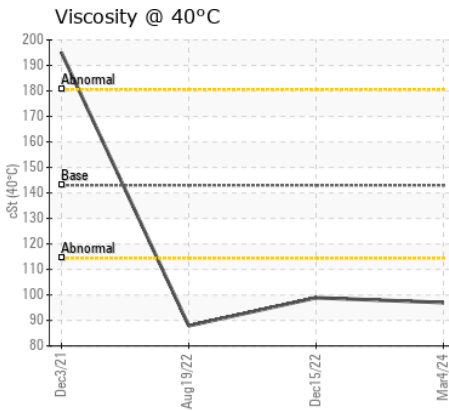
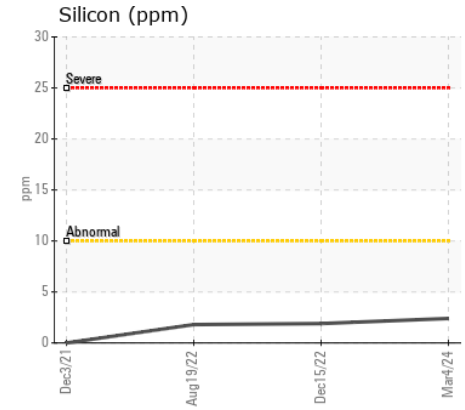
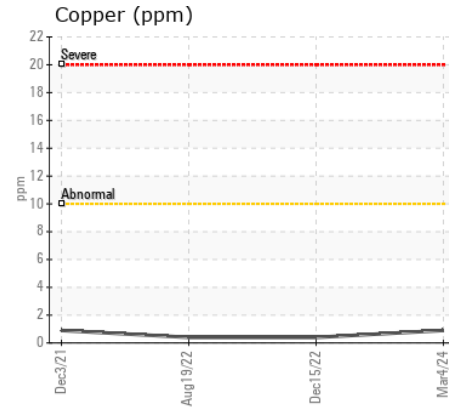
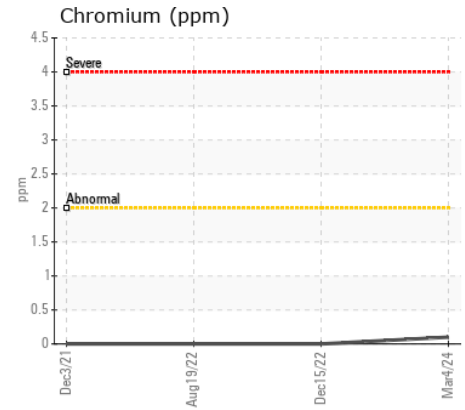
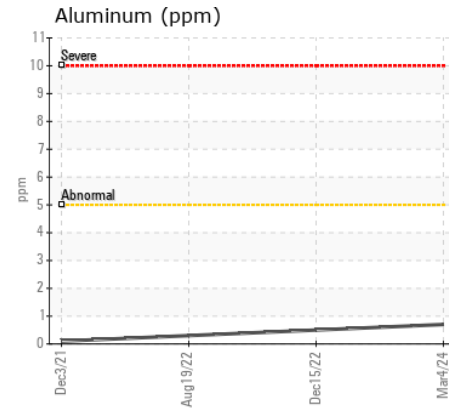
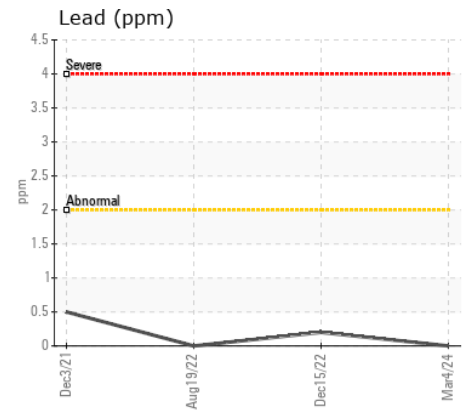
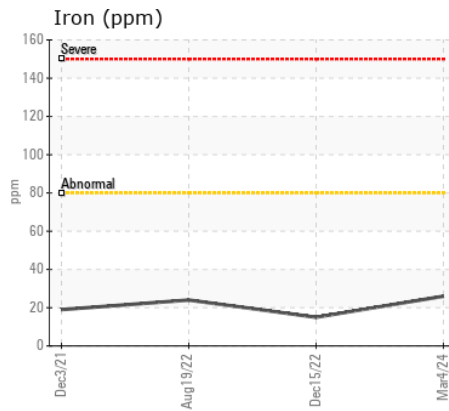
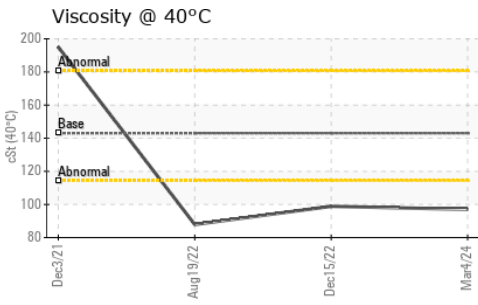
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>10	2	2	2
Potassium	ppm	ASTM D5185(m)	>20	1	2	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	Visual*	NONE	NONE	NONE	NONE
Debris	scalar	Visual*	NONE	NONE	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	NONE	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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)	>170	1	1	<1
Boron	ppm	ASTM D5185(m)	400	264	280	256
Barium	ppm	ASTM D5185(m)	200	0	0	0
Molybdenum	ppm	ASTM D5185(m)	12	0	0	0
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	12	3	3	2
Calcium	ppm	ASTM D5185(m)	150	20	18	82
Phosphorus	ppm	ASTM D5185(m)	1650	1303	1385	1260
Zinc	ppm	ASTM D5185(m)	125	17	13	76
Sulfur	ppm	ASTM D5185(m)	22500	20788	21926	20879
Visc @ 40°C	cSt	ASTM D7279(m)	143	97.0	98.9	87.9



ISO 17025:2017
Accredited
Laboratory

Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

Sample No. : LH0286526

Lab Number : 02620653

Unique Number : 5737763

Test Package : MOB 1

Received : 07 Mar 2024

Tested : 07 Mar 2024

Diagnosed : 07 Mar 2024 - Wes Davis

PRIESTLY DEMOLITION

3200 LLOYDTOWN AURORA RD

KING, ON

CA L0G 1J0

Contact: Krystal Breedon

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T:

F:

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.