



# LIEBHERR

## OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>NORMAL</b>
FLUID CONDITION	<b>NORMAL</b>



Machine Id  
**LIEBHERR L586 046715-1334**  
Component  
**Splitter Box**  
Fluid  
**LIEBHERR GEAR BASIC 90 LS (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0273346</b>	LH0254409	LH0220316
Sample Date		Client Info		<b>22 Mar 2024</b>	27 Mar 2023	09 Jun 2022
Machine Age	hrs	Client Info		<b>11124</b>	10000	9047
Oil Age	hrs	Client Info		<b>1000</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	N/A
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>365	<b>52</b>	185	38
Chromium	ppm	ASTM D5185m	>6	<b>0</b>	3	2
Nickel	ppm	ASTM D5185m	>5	<b>2</b>	20	3
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>5	<b>&lt;1</b>	5	3
Lead	ppm	ASTM D5185m	>5	<b>0</b>	2	2
Copper	ppm	ASTM D5185m	>20	<b>&lt;1</b>	3	3
Tin	ppm	ASTM D5185m	>4	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

### CONTAMINATION

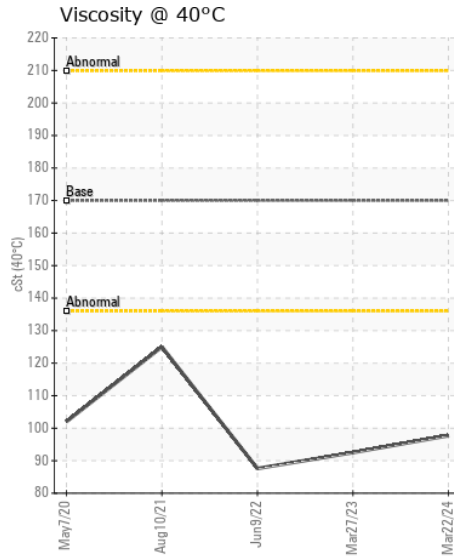
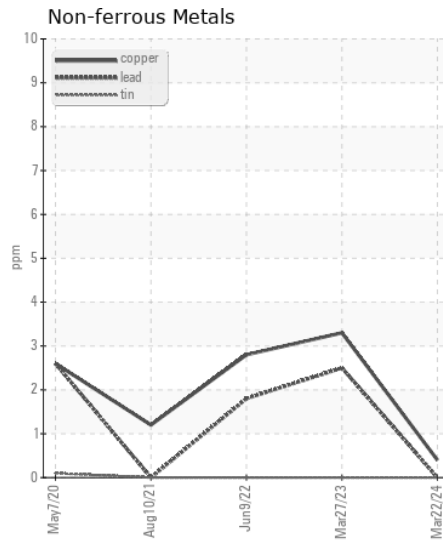
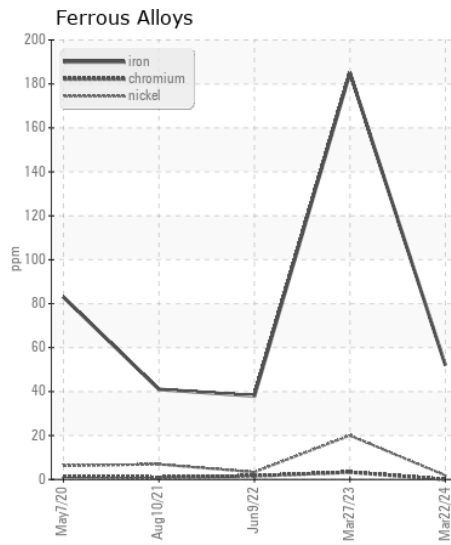
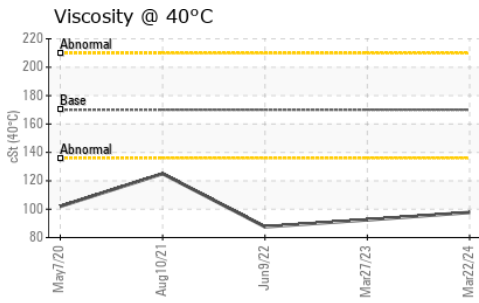
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>30	<b>8</b>	17	7
Potassium	ppm	ASTM D5185m	>20	<b>&lt;1</b>	3	0
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>LIGHT</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>25	<b>&lt;1</b>	1	<1
Boron	ppm	ASTM D5185m	0	<b>52</b>	186	187
Barium	ppm	ASTM D5185m	0	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>&lt;1</b>	6	4
Manganese	ppm	ASTM D5185m	0	<b>0</b>	2	<1
Magnesium	ppm	ASTM D5185m	<1	<b>&lt;1</b>	11	5
Calcium	ppm	ASTM D5185m	<1	<b>246</b>	353	357
Phosphorus	ppm	ASTM D5185m	2143	<b>606</b>	1264	1324
Zinc	ppm	ASTM D5185m	<1	<b>203</b>	672	221
Sulfur	ppm	ASTM D5185m	23468	<b>18903</b>	14144	13571
Visc @ 40°C	cSt	ASTM D445	170	<b>97.7</b>	92.5	87.6



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LH0273346  
**Lab Number** : 06146825  
**Unique Number** : 10976903  
**Test Package** : CONST

**Received** : 11 Apr 2024  
**Tested** : 12 Apr 2024  
**Diagnosed** : 15 Apr 2024 - Sean Felton

**OZINGA BROS INC**  
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To discuss this sample report, contact Customer Service at 1-800-237-1369.

\* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)