



# LIEBHERR

## OIL ANALYSIS REPORT

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



Machine Id  
**LIEBHERR A934C 061188-1419**  
Component  
**Splitter Box**  
Fluid  
**GEAR OIL SAE 80W90 (3 LTR)**

### 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 80W90. Please confirm.

### WEAR

All component wear rates are normal.

### CONTAMINATION

There is no indication of any contamination in the oil.

### FLUID CONDITION

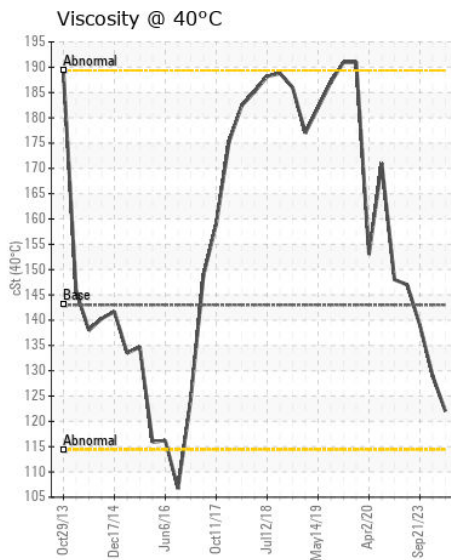
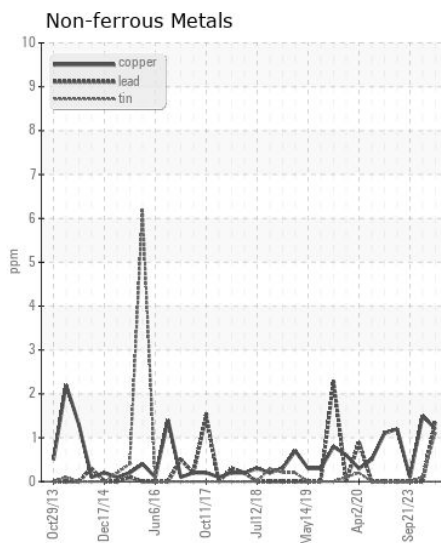
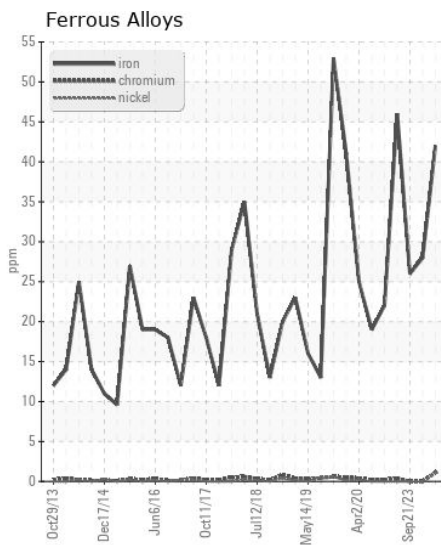
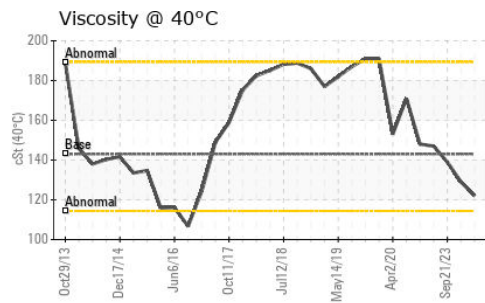
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0272396</b>	LH0263927	LH0253886
Sample Date		Client Info		<b>30 Jan 2024</b>	10 Nov 2023	21 Sep 2023
Machine Age	hrs	Client Info		<b>28174</b>	27562	27222
Oil Age	hrs	Client Info		<b>1000</b>	500	500
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Changed</b>	Changed	Changed
Filter Changed		Client Info		<b>N/A</b>	N/A	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

Iron	ppm	ASTM D5185m	>880	<b>42</b>	28	26
Chromium	ppm	ASTM D5185m	>10	<b>1</b>	0	0
Nickel	ppm	ASTM D5185m	>5	<b>1</b>	0	0
Titanium	ppm	ASTM D5185m	>5	<b>1</b>	<1	0
Silver	ppm	ASTM D5185m	>5	<b>&lt;1</b>	0	0
Aluminum	ppm	ASTM D5185m	>15	<b>2</b>	<1	<1
Lead	ppm	ASTM D5185m	>25	<b>1</b>	0	0
Copper	ppm	ASTM D5185m	>60	<b>1</b>	2	<1
Tin	ppm	ASTM D5185m	>5	<b>1</b>	<1	0
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE

Silicon	ppm	ASTM D5185m	>55	<b>6</b>	3	2
Potassium	ppm	ASTM D5185m	>20	<b>4</b>	0	2
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	*Visual	NONE	<b>NONE</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

Sodium	ppm	ASTM D5185m	>170	<b>7</b>	11	14
Boron	ppm	ASTM D5185m	400	<b>7</b>	8	9
Barium	ppm	ASTM D5185m	200	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185m	12	<b>2</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>2</b>	<1	<1
Magnesium	ppm	ASTM D5185m	12	<b>6</b>	<1	2
Calcium	ppm	ASTM D5185m	150	<b>56</b>	19	19
Phosphorus	ppm	ASTM D5185m	1650	<b>896</b>	885	880
Zinc	ppm	ASTM D5185m	125	<b>66</b>	13	14
Sulfur	ppm	ASTM D5185m	22500	<b>24020</b>	20829	20814
Visc @ 40°C	cSt	ASTM D445	143	<b>122</b>	129	139



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513

**Sample No.** : LH0272396

**Lab Number** : 06159919

**Unique Number** : 10995342

**Test Package** : CONST

**Received** : 24 Apr 2024

**Tested** : 25 Apr 2024

**Diagnosed** : 25 Apr 2024 - Wes Davis

**NORTHERN METAL RECYCLING**

2800 PACIFIC ST N

MINNEAPOLIS, MN

US 55411

Contact: CHRIS GILMER

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T: (612)305-7338

F:

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)