



# LIEBHERR

## OIL ANALYSIS REPORT

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

Machine Id  
**LIEBHERR 60935**  
Component  
**Splitter Box**  
Fluid  
**GEAR OIL SAE 75W90 (2 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 75W90. Please confirm.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0281290</b>	LH0276870	LH0265617
Sample Date		Client Info		<b>25 Apr 2024</b>	21 Nov 2023	14 Jul 2023
Machine Age	hrs	Client Info		<b>16143</b>	15692	15202
Oil Age	hrs	Client Info		<b>0</b>	0	0
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

### WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185(m)	>100	<b>19</b>	28	41
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	1
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	<1
Silver	ppm	ASTM D5185(m)		<b>0</b>	<1	0
Aluminum	ppm	ASTM D5185(m)	>20	<b>1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>30	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	2	2
Tin	ppm	ASTM D5185(m)	>10	<b>0</b>	0	0
Vanadium	ppm	ASTM D5185(m)		<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

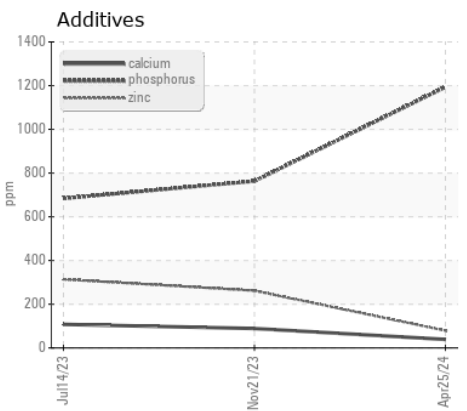
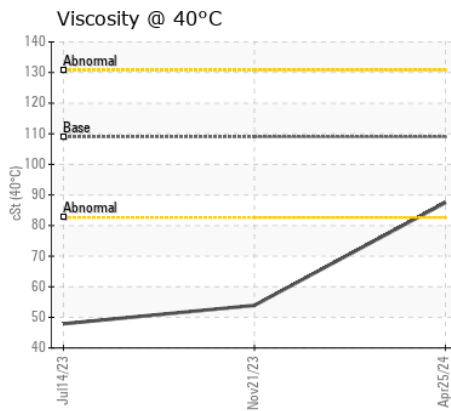
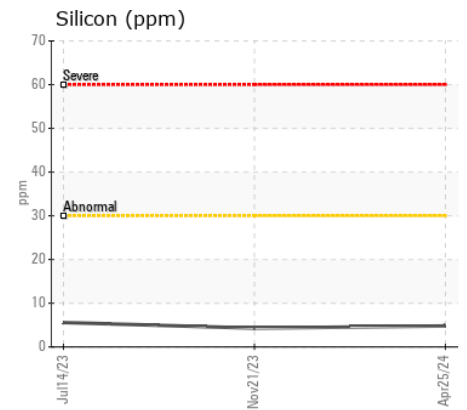
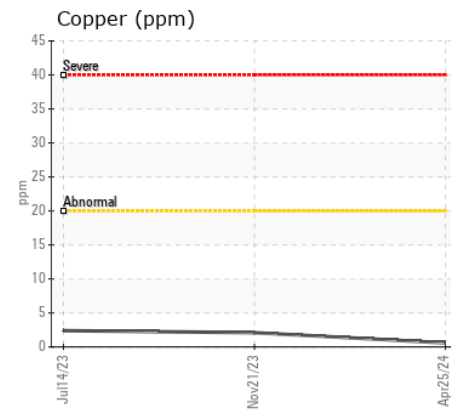
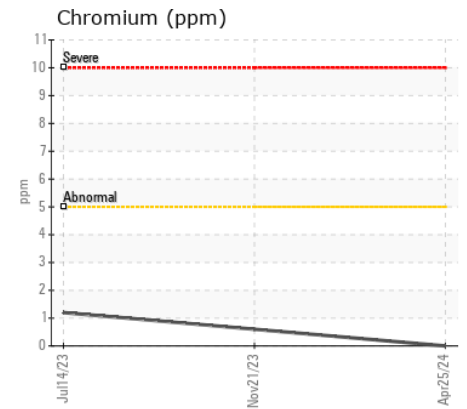
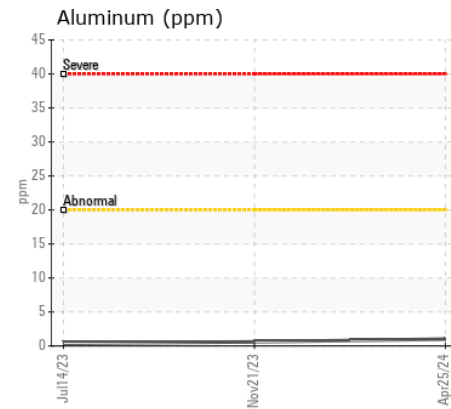
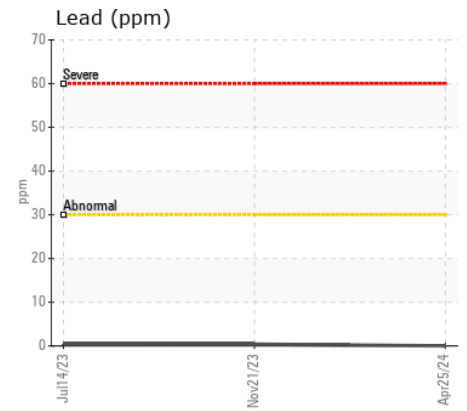
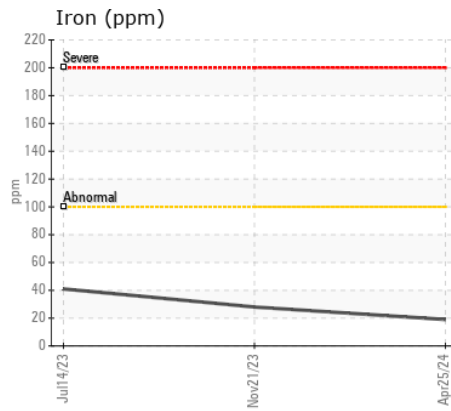
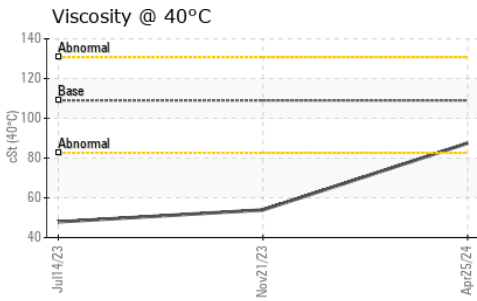
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>30	<b>5</b>	4	6
Potassium	ppm	ASTM D5185(m)	>20	<b>&lt;1</b>	<1	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

### FLUID CONDITION

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

Sodium	ppm	ASTM D5185(m)	>25	<b>6</b>	3	6
Boron	ppm	ASTM D5185(m)	400	<b>284</b>	138	87
Barium	ppm	ASTM D5185(m)	200	<b>1</b>	4	10
Molybdenum	ppm	ASTM D5185(m)	12	<b>&lt;1</b>	2	3
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185(m)	12	<b>21</b>	41	46
Calcium	ppm	ASTM D5185(m)	150	<b>39</b>	89	108
Phosphorus	ppm	ASTM D5185(m)	1650	<b>1194</b>	763	684
Zinc	ppm	ASTM D5185(m)	125	<b>79</b>	262	314
Sulfur	ppm	ASTM D5185(m)	22500	<b>19236</b>	9955	8107
Visc @ 40°C	cSt	ASTM D7279(m)	109	<b>87.5</b>	53.9	47.9



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0281290  
**Lab Number** : 02634168  
**Unique Number** : 5775321  
**Test Package** : MOB 1  
**Received** : 08 May 2024  
**Tested** : 08 May 2024  
**Diagnosed** : 08 May 2024 - Wes Davis

**AMERICAN IRON AND METAL RECYCLING**  
 116 GOVERNMENT RD N  
 TIMMINS, ON  
 CA P4R 1M9  
 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.

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 F: