



# LIEBHERR

## OIL ANALYSIS REPORT

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



Machine Id  
**LIEBHERR L586 068511-1761**  
Component  
**Transmission (Manual)**  
Fluid  
**TDH FLUID SAE 75W80 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH0291010</b>	LH0261351	LH0256858
Sample Date		Client Info		<b>10 Jun 2024</b>	24 May 2023	04 Apr 2023
Machine Age	hrs	Client Info		<b>3246</b>	1041	700
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>	Not Changd	Not Changd
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)	>200	<b>26</b>	8	6
Chromium	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Nickel	ppm	ASTM D5185(m)	>5	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	<1	<1
Silver	ppm	ASTM D5185(m)	>7	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>25	<b>1</b>	<1	<1
Lead	ppm	ASTM D5185(m)	>45	<b>0</b>	<1	<1
Copper	ppm	ASTM D5185(m)	>225	<b>2</b>	1	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

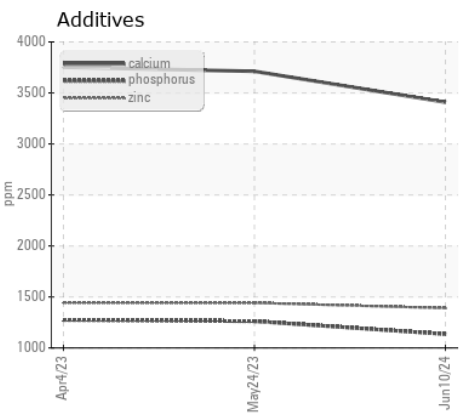
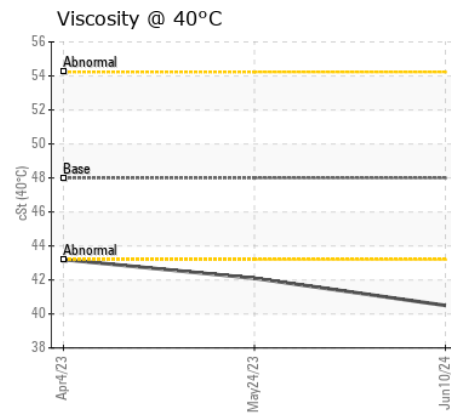
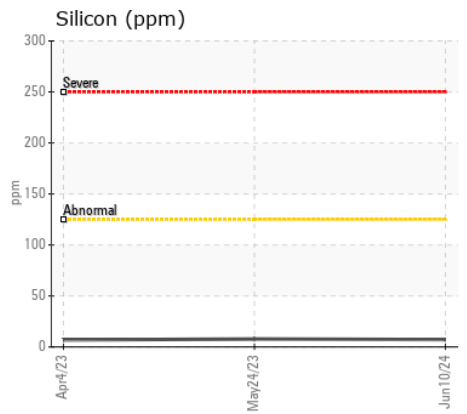
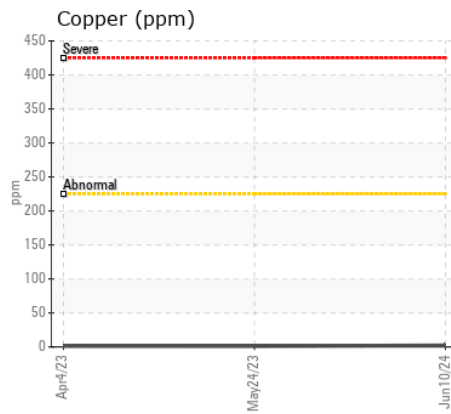
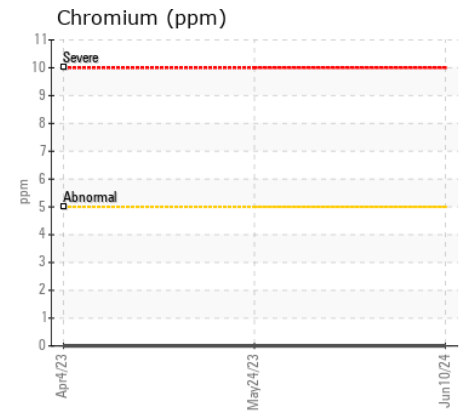
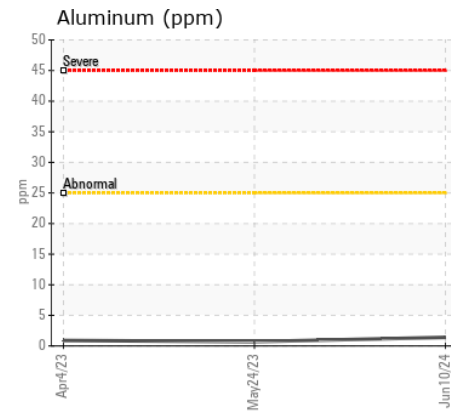
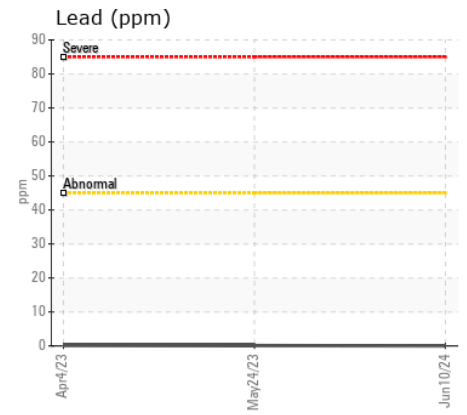
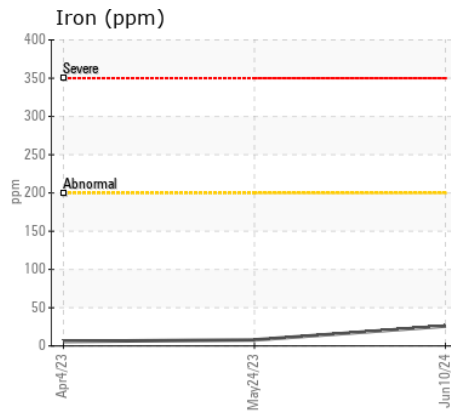
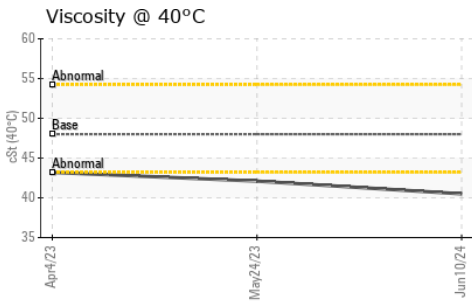
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185(m)	>125	<b>7</b>	8	7
Potassium	ppm	ASTM D5185(m)	>20	<b>3</b>	2	3
Water		WC Method	>0.1	<b>NEG</b>	NEG	NEG
Silt	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Debris	scalar	Visual*	NONE	<b>NONE</b>	NONE	VLITE
Sand/Dirt	scalar	Visual*	NONE	<b>LIGHT</b>	VLITE	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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185(m)		<b>14</b>	16	18
Boron	ppm	ASTM D5185(m)	10	<b>96</b>	100	103
Barium	ppm	ASTM D5185(m)	10	<b>&lt;1</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	10	<b>0</b>	0	0
Manganese	ppm	ASTM D5185(m)		<b>&lt;1</b>	<1	<1
Magnesium	ppm	ASTM D5185(m)	100	<b>10</b>	9	9
Calcium	ppm	ASTM D5185(m)	3500	<b>3409</b>	3712	3752
Phosphorus	ppm	ASTM D5185(m)	1150	<b>1136</b>	1262	1274
Zinc	ppm	ASTM D5185(m)	1150	<b>1390</b>	1442	1444
Sulfur	ppm	ASTM D5185(m)	3000	<b>4657</b>	4957	5124
Visc @ 40°C	cSt	ASTM D7279(m)	48	<b>40.5</b>	42.1	43.2



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH0291010 **Received** : 11 Jun 2024  
**Lab Number** : 02641198 **Tested** : 11 Jun 2024  
**Unique Number** : 5798737 **Diagnosed** : 11 Jun 2024 - Wes Davis  
**Test Package** : MOB 1

**MILLER PAVING LTD.**  
 P.O BOX 4080, 505 MILLER AVE.  
 MARKHAM, ON  
 CA L6G 1B2  
 Contact: Rob Graham  
 rob.graham@millergroup.ca  
 T: (905)475-6660  
 F: (905)475-1086

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.