



# LIEBHERR

## OIL ANALYSIS REPORT

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



Machine Id  
**LIEBHERR LH50 14791**

Component  
**Splitter Box**

Fluid  
**CHEVRON DELO GEAR ESI OIL 80W90 (--- GAL)**

### RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>LH</b>	LH	LH
Sample Date		Client Info		<b>31 Mar 2024</b>	09 Jan 2024	27 Dec 2023
Machine Age	hrs	Client Info		<b>23000</b>	16000	22000
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)	>80	<b>24</b>	19	26
Chromium	ppm	ASTM D5185(m)	>2	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Titanium	ppm	ASTM D5185(m)		<b>0</b>	0	0
Silver	ppm	ASTM D5185(m)		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185(m)	>5	<b>2</b>	2	4
Lead	ppm	ASTM D5185(m)	>2	<b>0</b>	0	0
Copper	ppm	ASTM D5185(m)	>10	<b>&lt;1</b>	<1	<1
Tin	ppm	ASTM D5185(m)	>2	<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

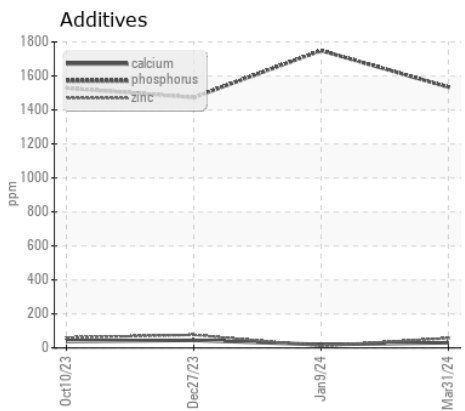
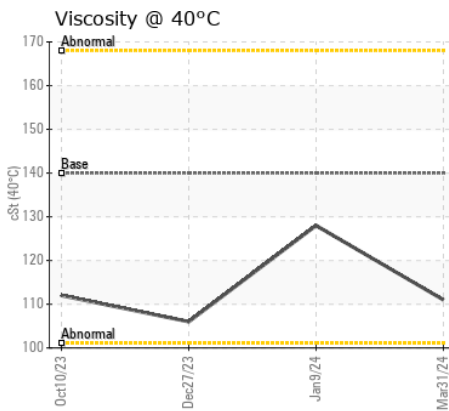
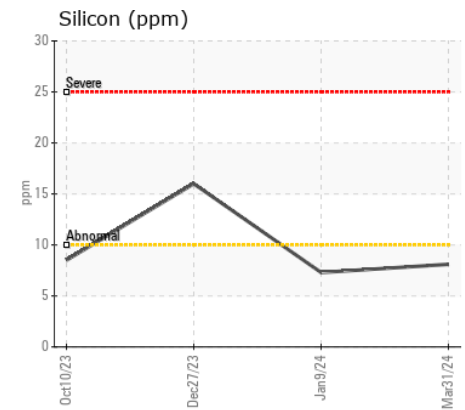
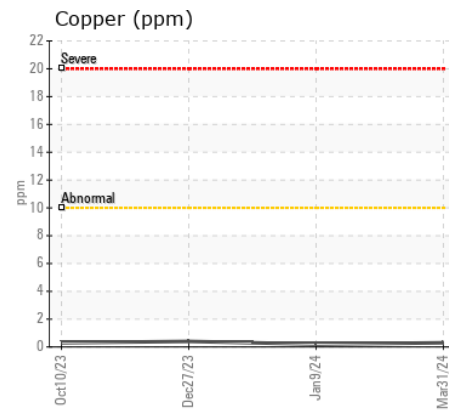
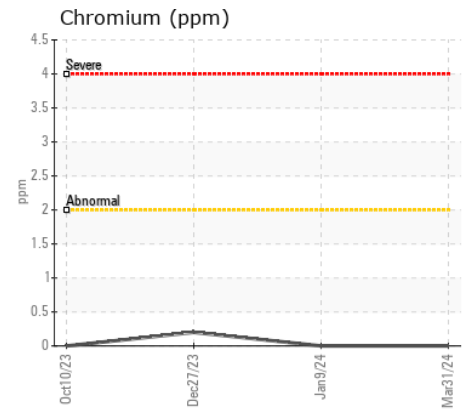
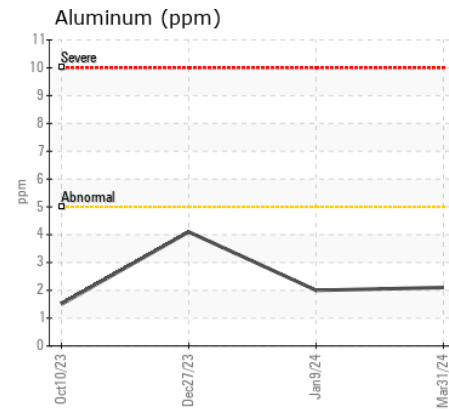
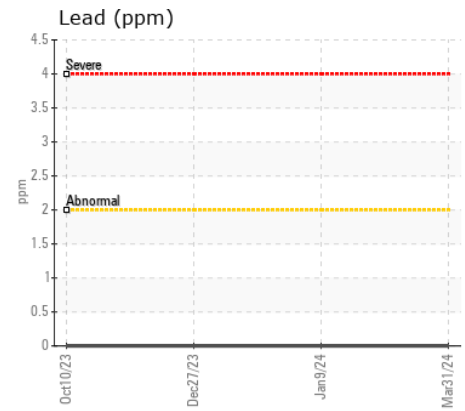
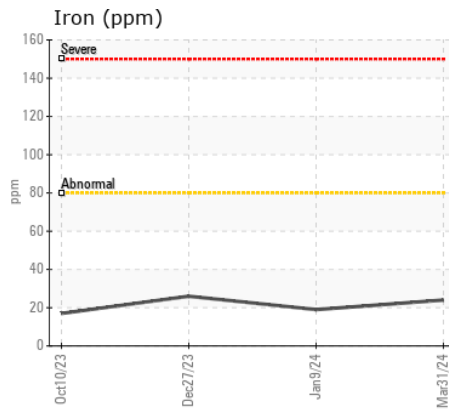
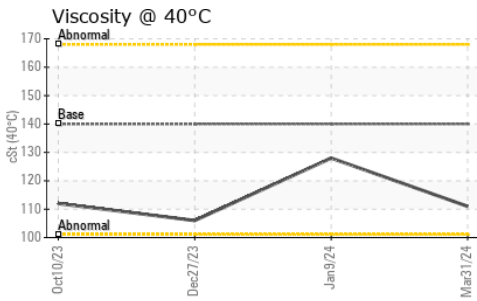
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185(m)	>10	<b>8</b>	7	16
Potassium	ppm	ASTM D5185(m)	>20	<b>2</b>	2	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>VLITE</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>&lt;1</b>	<1	1
Boron	ppm	ASTM D5185(m)	15	<b>281</b>	306	251
Barium	ppm	ASTM D5185(m)	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185(m)	0	<b>5</b>	6	2
Manganese	ppm	ASTM D5185(m)		<b>0</b>	0	0
Magnesium	ppm	ASTM D5185(m)	0	<b>5</b>	6	6
Calcium	ppm	ASTM D5185(m)	5	<b>31</b>	20	45
Phosphorus	ppm	ASTM D5185(m)	600	<b>1534</b>	1749	1473
Zinc	ppm	ASTM D5185(m)	0	<b>58</b>	11	77
Sulfur	ppm	ASTM D5185(m)	22000	<b>17164</b>	19033	16234
Visc @ 40°C	cSt	ASTM D7279(m)	140	<b>111</b>	128	106



**Laboratory** : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9  
**Sample No.** : LH  
**Lab Number** : 02627436  
**Unique Number** : 5760568  
**Test Package** : MOB 1  
**Received** : 08 Apr 2024  
**Tested** : 08 Apr 2024  
**Diagnosed** : 08 Apr 2024 - Wes Davis

**INTERFOR CORP**  
 5060 RTE 430  
 BRUNSWICK MINE, NB  
 CA E2A 6W6  
 Contact: Daniel Hachey  
 daniel.hachey@interfor.com  
 T: (506)547-8700  
 F: (506)548-1892

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.