

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 1203-75955 - Splitter Box

Sample No: LH0268402

Oil Type: GEAR OIL LS 80W90



#### Sample Information

Sample Number	<b>LH0268402</b>	LH0258883	LHMC155885	LHMC115090
Sample Date	<b>09 Jul 2024</b>	12 Mar 2024	10 Mar 2021	24 Aug 2017
Machine Hours	<b>1517</b>	1517	1263	1056
Oil Hours	<b>0</b>	0	0	565
Oil Changed	<b>Changed</b>	Changed	Changed	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**NORBORD MN**  
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#### Oil Condition

Visc @ 40°C	cSt	<b>138</b>	166	143	137.1
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#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>3</b>	2	4	3
Sodium	ppm	<b>0</b>	2	0	3
Potassium	ppm	<b>2</b>	2	3	4

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.



#### Wear Metals

Iron	ppm	<b>22</b>	46	35	47
Copper	ppm	<b>2</b>	4	<1	<1
Lead	ppm	<b>0</b>	0	<1	0
Tin	ppm	<b>0</b>	0	<1	2
Aluminum	ppm	<b>3</b>	<1	<1	1
Chromium	ppm	<b>&lt;1</b>	0	<1	<1
Molybdenum	ppm	<b>0</b>	0	0	0
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>0</b>	0	<1	<1
Silver	ppm	<b>0</b>	0	<1	0
Manganese	ppm	<b>&lt;1</b>	<1	1	2
Vanadium	ppm	<b>0</b>	0	0	0



#### Additives

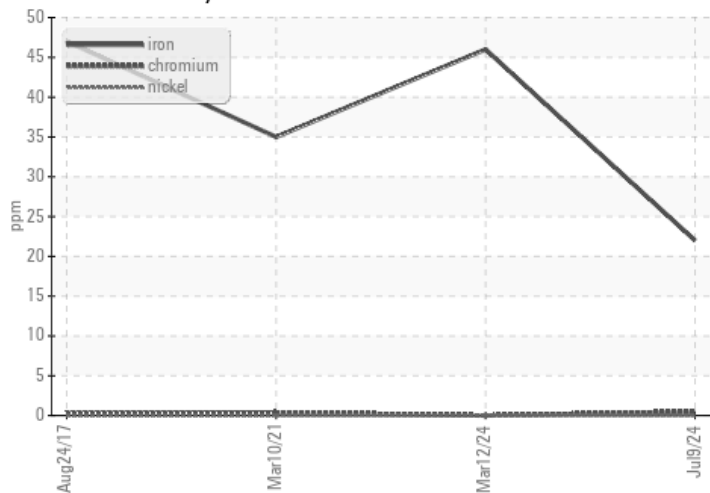
Calcium	ppm	<b>23</b>	25	34	48
Magnesium	ppm	<b>2</b>	1	<1	1
Zinc	ppm	<b>27</b>	32	16	37
Phosphorus	ppm	<b>1264</b>	1928	1160	1273
Barium	ppm	<b>0</b>	<1	0	0
Boron	ppm	<b>29</b>	43	114	121

**Depot:** NORSOLLH  
**Unique No:** 11125957  
**Signed:** Don Baldrige  
**Report Date:** 17 Jul 2024

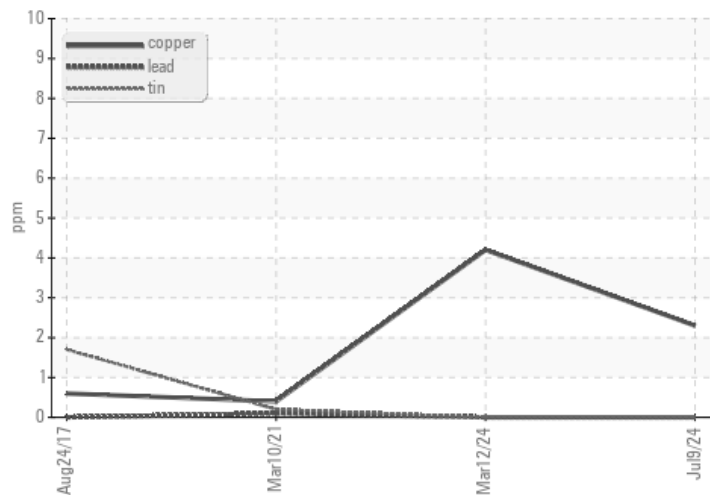


### Graphs

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

