

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 1216-120427 - Swing Drive

Sample No: LH0254750

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	<b>LH0254750</b>	LH0229512	LH0191586	LH0171408
Sample Date	<b>01 Oct 2023</b>	13 Jun 2023	12 Jan 2022	03 Feb 2021
Machine Hours	<b>7490</b>	7022	4006	1951
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>N/A</b>	N/A	N/A	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL

**DIAMOND STATE RECYCLING CORP**  
 1600 BOWERS STREET  
 WILMINGTON, DE  
 US 19802  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	<b>195</b>	193	192	194
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T:  
F:



#### CONTAMINATION

Silicon	ppm	<b>2</b>	3	<1	<1
Sodium	ppm	<b>2</b>	0	3	2
Potassium	ppm	<b>&lt;1</b>	2	0	0

#### 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>242</b>	203	91	38
Copper	ppm	<b>106</b>	91	27	29
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>20</b>	18	2	0
Aluminum	ppm	<b>0</b>	0	<1	0
Chromium	ppm	<b>2</b>	2	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>&lt;1</b>	<1	<1	<1
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>2</b>	2	1	<1
Vanadium	ppm	<b>0</b>	0	0	0



#### ADDITIVES

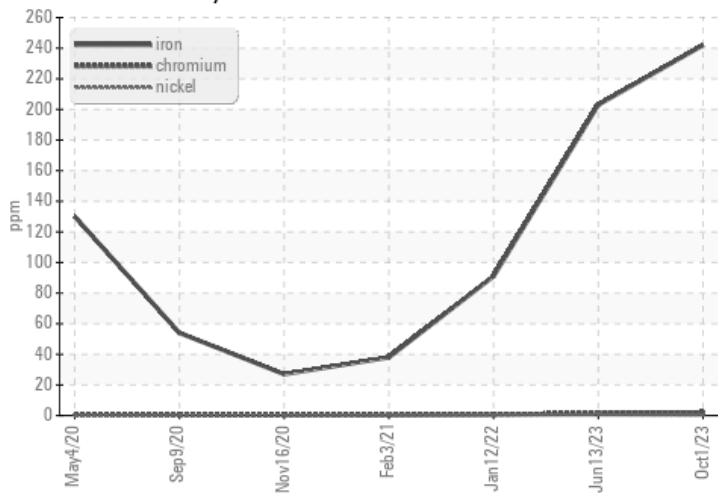
Calcium	ppm	<b>17</b>	45	11	17
Magnesium	ppm	<b>&lt;1</b>	<1	<1	0
Zinc	ppm	<b>57</b>	57	36	11
Phosphorus	ppm	<b>2313</b>	2311	2178	2047
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>2</b>	2	3	1

**Depot:** DIAWILDE  
**Unique No:** 10672320  
**Signed:** Don Baldrige  
**Report Date:** 03 Oct 2023

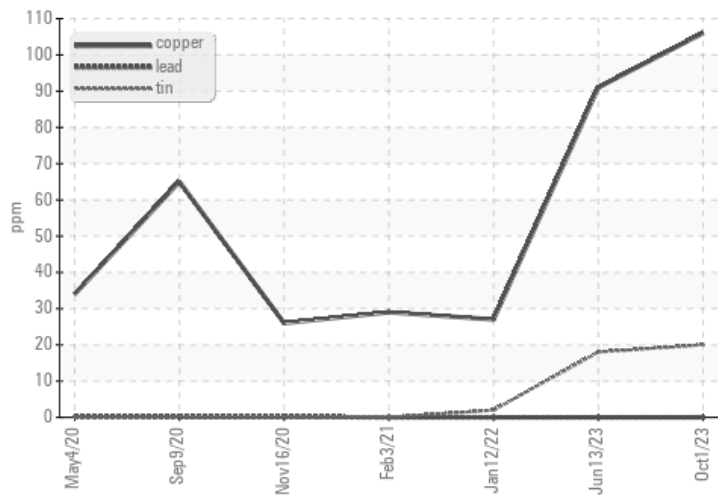


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

