

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 117414-1253 - Front Right Wheel Hub

Sample No: LH0272896

Oil Type: GEAR OIL SAE 80W90



**SPARTAN RECYCLING**  
 3071 HOWARD ST  
 SPARTANBURG, SC  
 US 29303  
 Contact: SERVICE MANAGER



#### SAMPLE INFORMATION

Sample Number	<b>LH0272896</b>	LH0235754	LH0217605	LHMC160617
Sample Date	<b>10 Jan 2024</b>	26 Sep 2023	14 Jul 2022	03 Mar 2022
Machine Hours	<b>8285</b>	7700	0	4332
Oil Hours	<b>0</b>	0	0	500
Oil Changed	<b>Changed</b>	Changed	N/A	Changed
Sample Status	<b>NORMAL</b>	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	<b>123</b>	103	83.2	<b>102</b>
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	<b>2</b>	5	5	5
Sodium	ppm	<b>0</b>	1	2	5
Potassium	ppm	<b>&lt;1</b>	2	2	5

#### 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>69</b>	69	69	35
Copper	ppm	<b>2</b>	4	1	6
Lead	ppm	<b>0</b>	0	0	<1
Tin	ppm	<b>0</b>	0	<1	0
Aluminum	ppm	<b>2</b>	<1	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	1	1	2
Nickel	ppm	<b>0</b>	0	<1	2
Titanium	ppm	<b>0</b>	0	0	0
Silver	ppm	<b>0</b>	0	0	0
Manganese	ppm	<b>0</b>	1	<1	<1
Vanadium	ppm	<b>0</b>	<1	0	0



#### ADDITIVES

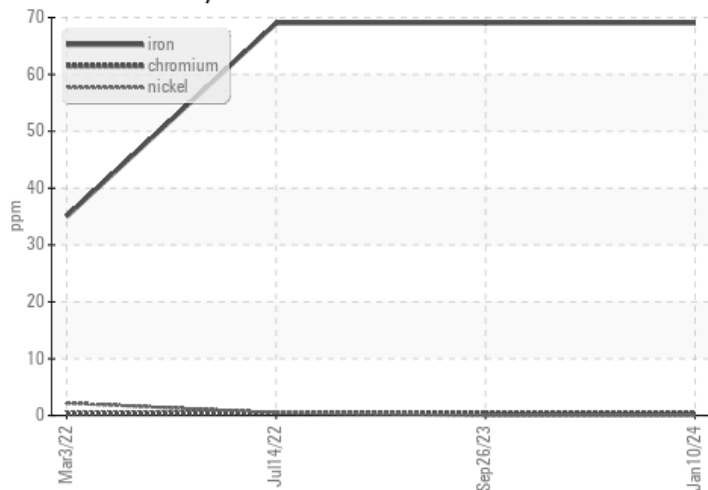
Calcium	ppm	<b>73</b>	84	24	175
Magnesium	ppm	<b>5</b>	7	5	10
Zinc	ppm	<b>6</b>	65	8	72
Phosphorus	ppm	<b>319</b>	258	295	412
Barium	ppm	<b>3</b>	0	0	0
Boron	ppm	<b>0</b>	0	3	8

**Depot:** SPASPALH  
**Unique No:** 10834551  
**Signed:** Don Baldrige  
**Report Date:** 19 Jan 2024

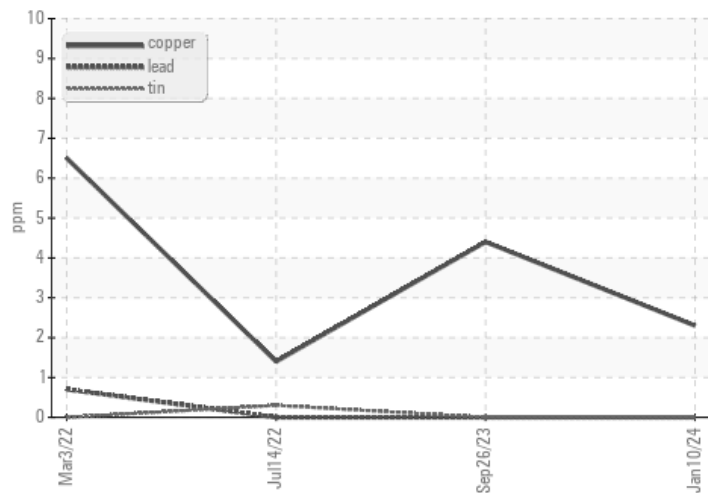


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

