

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30 101514-1253 - Rear Right Wheel Hub

Sample No: LH0272803

Oil Type: GEAR OIL SAE 80W90



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

T:  
 F:



#### SAMPLE INFORMATION

Sample Number	LH0272803	LH0235745	LH0217625	LH0166351
Sample Date	10 Jan 2024	25 Sep 2023	22 Mar 2023	14 Jul 2022
Machine Hours	12010	11543	10552	7420
Oil Hours	0	0	2000	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	ATTENTION	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	130	104	74.0	84.7
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	3	25	6
Sodium	ppm	2	<1	2	3
Potassium	ppm	2	1	2	1



#### WEAR METALS

Iron	ppm	147	106	59	160
Copper	ppm	<1	2	<1	1
Lead	ppm	0	0	0	0
Tin	ppm	0	0	0	<1
Aluminum	ppm	2	<1	6	<1
Chromium	ppm	<1	<1	<1	1
Molybdenum	ppm	<1	1	1	2
Nickel	ppm	0	0	0	<1
Titanium	ppm	0	0	<1	0
Silver	ppm	0	0	0	0
Manganese	ppm	<1	1	1	2
Vanadium	ppm	0	<1	0	0



#### ADDITIVES

Calcium	ppm	67	71	32	88
Magnesium	ppm	7	8	7	8
Zinc	ppm	<1	33	17	40
Phosphorus	ppm	437	304	294	393
Barium	ppm	3	0	0	0
Boron	ppm	0	0	4	5

#### Diagnosis

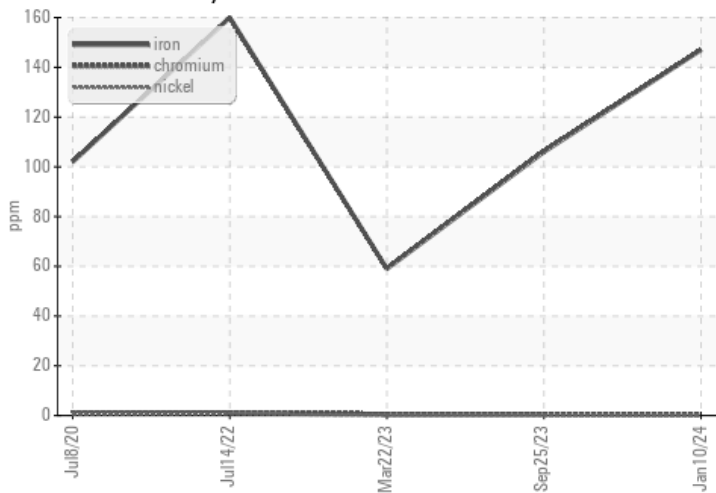
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: SPASPALH  
 Unique No: 10834561  
 Signed: Wes Davis  
 Report Date: 18 Jan 2024

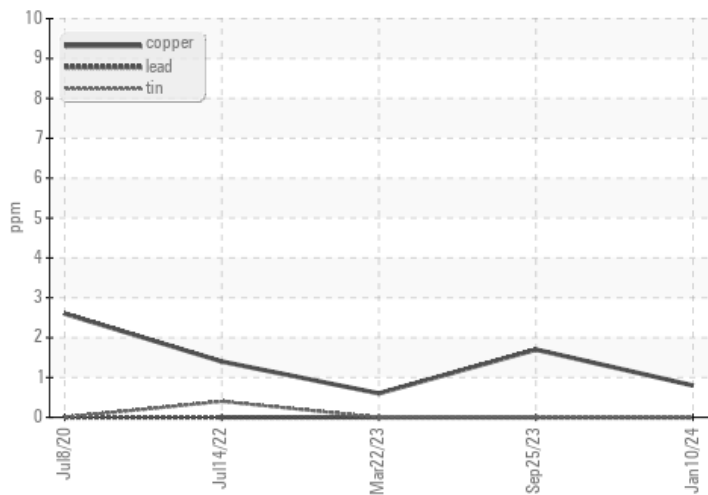


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

