

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1253-123497 - Front Left Wheel Hub

Sample No: LH0272903

Oil Type: GEAR OIL SAE 80W90



SPARTAN RECYCLING

3071 HOWARD ST
SPARTANBURG, SC
US 29303

Contact: SERVICE MANAGER

T:
F:

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.



SAMPLE INFORMATION

Sample Number	LH0272903	LH0212311	---	---
Sample Date	11 Jan 2024	30 Dec 2021	---	---
Machine Hours	4554	981	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 122	● 107	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 2	● 6	---	---
Sodium	ppm	● <1	● 6	---	---
Potassium	ppm	● <1	● 0	---	---



WEAR METALS

Iron	ppm	● 34	● 58	---	---
Copper	ppm	● 5	● 16	---	---
Lead	ppm	● 0	● <1	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	● 2	● 0	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● 0	● <1	---	---
Nickel	ppm	● 0	● 0	---	---
Titanium	ppm	0	<1	---	---
Silver	ppm	0	<1	---	---
Manganese	ppm	● 0	● 1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 98	● 495	---	---
Magnesium	ppm	● 1	● 2	---	---
Zinc	ppm	● 3	● 293	---	---
Phosphorus	ppm	● 320	● 542	---	---
Barium	ppm	● 3	● 0	---	---
Boron	ppm	● 1	● 69	---	---

Depot: SPASPALH

Unique No: 10834556

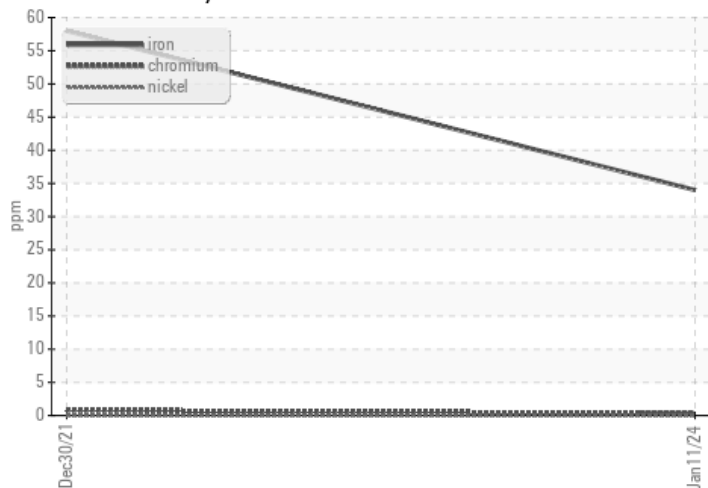
Signed: Wes Davis

Report Date: 18 Jan 2024

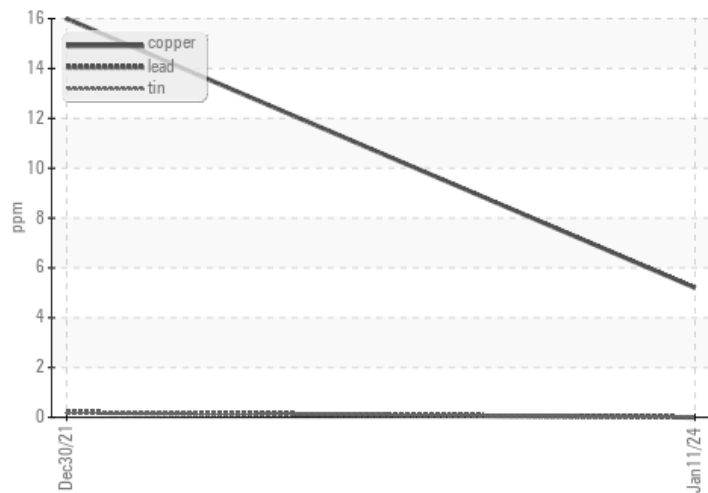


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

