

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 121598-1216 - Front Left Wheel Hub

Sample No: LH0243401

Oil Type: GEAR OIL SAE 80W90



AMERICAN STATE EQUIPMENT CO.
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 US 54401
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SAMPLE INFORMATION

Sample Number	LH0243401	---	---	---
Sample Date	05 Oct 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 124	---	---	---
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CONTAMINATION

Silicon	ppm	● 2	---	---	---
Sodium	ppm	● 4	---	---	---
Potassium	ppm	● 0	---	---	---



WEAR METALS

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



ADDITIVES

Calcium	ppm	● 37	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 4	---	---	---
Phosphorus	ppm	● 856	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	0	---	---	---

Diagnosis

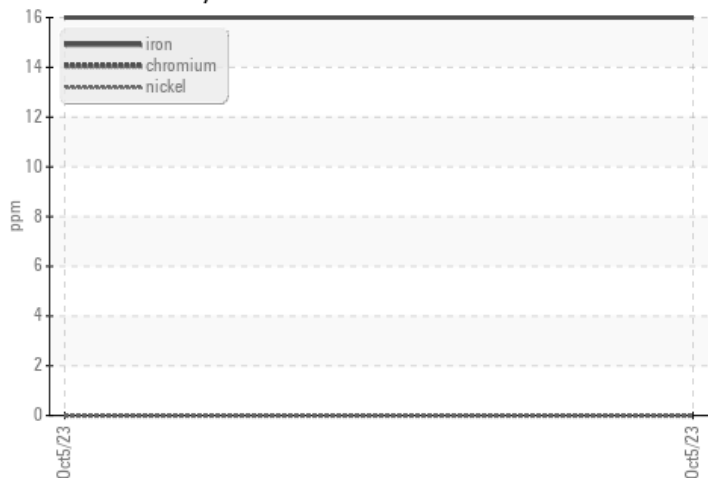
Resample at the next service interval to monitor. All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0008
 Unique No: 10701566
 Signed: Don Baldrige
 Report Date: 21 Oct 2023

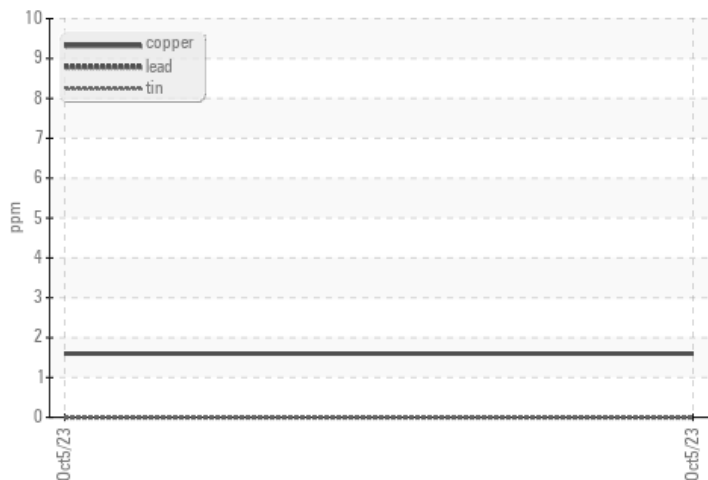


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

