

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M 093999-1215 - Rear Left Wheel Hub

Sample No: LH0243893

Oil Type: LIEBHERR GEAR BASIC 90 LS



LIEBHERR EQUIPMENT SOURCE

4100 CHESTNUT AVENUE
NEWPORT NEWS, VA
US 23607

Contact: LUKE APPLEBY
Lucas.Appleby@liebherr.com
T:
F: (757)298-8700



SAMPLE INFORMATION

Sample Number	LH0243893	---	---	---
Sample Date	28 Feb 2024	---	---	---
Machine Hours	13886	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 187	---	---	---
-------------	-----	-------	-----	-----	-----



CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 9	---	---	---
Sodium	ppm	● 12	---	---	---
Potassium	ppm	● 4	---	---	---



WEAR METALS

Iron	ppm	● 894	---	---	---
Copper	ppm	● 93	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 2	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 6	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 2	---	---	---
Titanium	ppm	● <1	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 10	---	---	---
Vanadium	ppm	● <1	---	---	---



ADDITIVES

Calcium	ppm	● 20	---	---	---
Magnesium	ppm	● 4	---	---	---
Zinc	ppm	● 69	---	---	---
Phosphorus	ppm	● 2142	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 2	---	---	---

Diagnosis

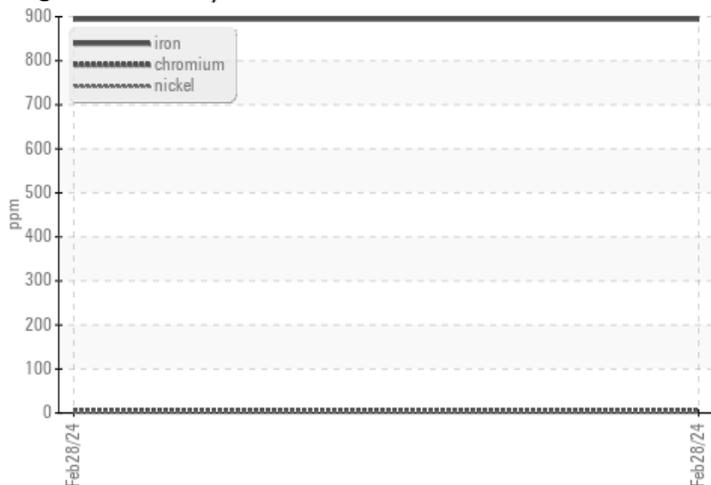
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Bearing and/or gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEBHERRUS
Unique No: 10915849
Signed: Doug Bogart
Report Date: 14 Mar 2024



GRAPHS

● Ferrous Alloys



● Non-ferrous Metals



Viscosity @ 40°C

