

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 121879-1217 - Front Differential

Sample No: LH0268863

Oil Type: LIEBHERR GEAR BASIC 90 LS



LIEBHERR EQUIPMENT SOURCE

4100 CHESTNUT AVENUE
NEWPORT NEWS, VA
US 23607

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SAMPLE INFORMATION

Sample Number	LH0268863	---	---	---
Sample Date	27 Feb 2024	---	---	---
Machine Hours	7442	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 185	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 4	---	---	---
Sodium	ppm	● 6	---	---	---
Potassium	ppm	● 1	---	---	---



WEAR METALS

Iron	ppm	● 29	---	---	---
Copper	ppm	● 134	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 14	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 87	---	---	---
Phosphorus	ppm	● 1213	---	---	---
Barium	ppm	● 339	---	---	---
Boron	ppm	● 0	---	---	---

Diagnosis

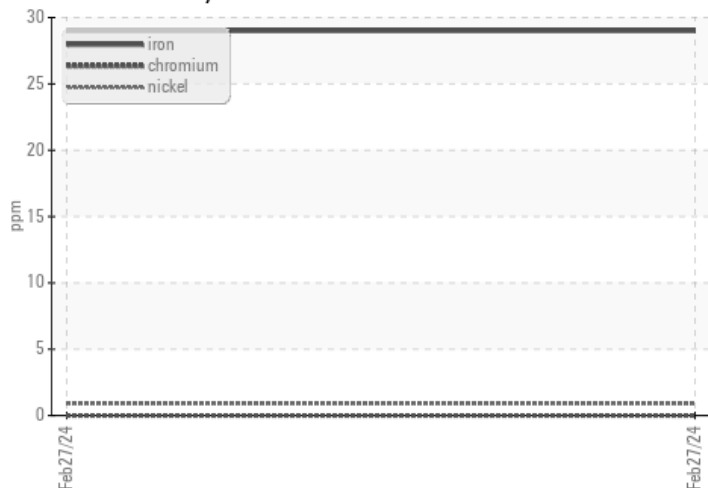
The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LIEBHERRUS
Unique No: 10915841
Signed: Don Baldrige
Report Date: 11 Mar 2024



GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

