

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 119208-1217 - Rear Left Wheel Hub

Sample No: LH0257450

Oil Type: LIEBHERR GEAR BASIC 90 LS



TT & E IRON
 1529 WEST GARNER RD
 GARNER, NC
 US 27529
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 F:



SAMPLE INFORMATION

Sample Number	LH0257450	LH0257445	---	---
Sample Date	05 Jul 2023	03 Jul 2023	---	---
Machine Hours	3275	3275	---	---
Oil Hours	700	700	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	154	148	---	---
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CONTAMINATION

Silicon	ppm	3	<1	---	---
Sodium	ppm	2	<1	---	---
Potassium	ppm	1	0	---	---



WEAR METALS

Iron	ppm	115	20	---	---
Copper	ppm	8	4	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	2	1	---	---
Chromium	ppm	1	<1	---	---
Molybdenum	ppm	0	0	---	---
Nickel	ppm	<1	0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	<1	0	---	---
Manganese	ppm	2	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	11	3	---	---
Magnesium	ppm	1	0	---	---
Zinc	ppm	27	0	---	---
Phosphorus	ppm	1119	1121	---	---
Barium	ppm	77	25	---	---
Boron	ppm	131	171	---	---

Diagnosis

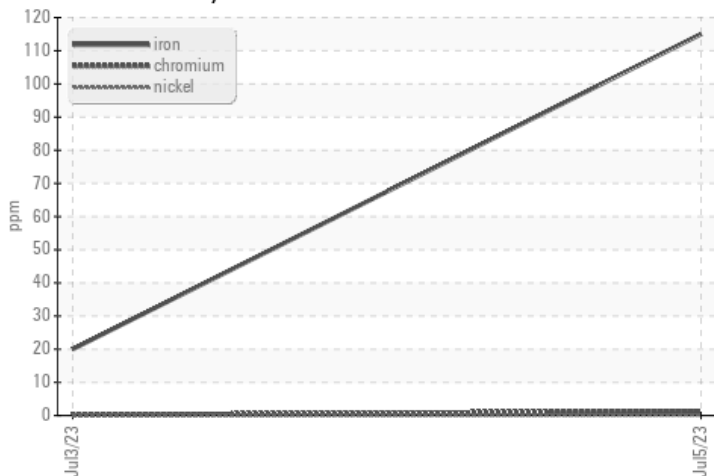
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: TTENEW
 Unique No: 10551146
 Signed: Sean Felton
 Report Date: 12 Jul 2023

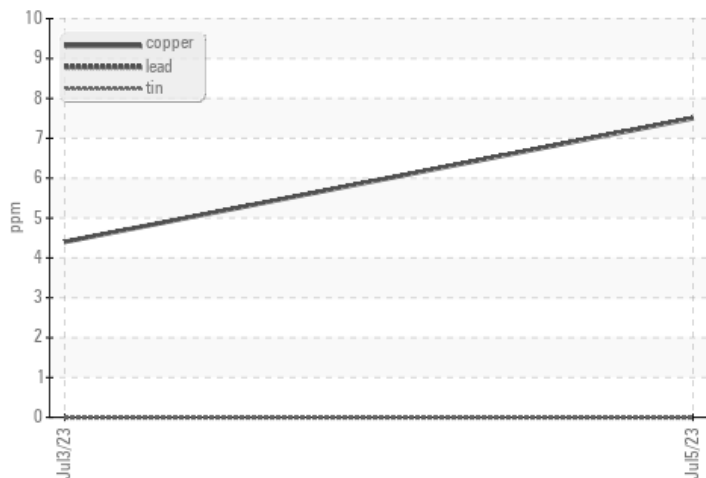


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

