

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 145582-1216 - Front Left Wheel Hub

Sample No: LH0243265

Oil Type: LIEBHERR GEAR BASIC 90 LS



RECO EQUIPMENT INC
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SAMPLE INFORMATION

Sample Number	LH0243265	LH0243205	---	---
Sample Date	15 Jun 2023	15 Mar 2023	---	---
Machine Hours	1005	461	---	---
Oil Hours	0	461	---	---
Oil Changed	Not Changd	Not Changd	---	---
Sample Status	NORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	141	141	---	---
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CONTAMINATION

Silicon	ppm	● 12	● 13	---	---
Sodium	ppm	● 7	● 11	---	---
Potassium	ppm	● 6	● 4	---	---



WEAR METALS

Iron	ppm	● 42	● 45	---	---
Copper	ppm	● 14	● 9	---	---
Lead	ppm	● 1	● 0	---	---
Tin	ppm	● <1	● 0	---	---
Aluminum	ppm	● 4	● 1	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● 1	● 1	---	---
Nickel	ppm	● <1	● 0	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 4	● 4	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	● 70	● 64	---	---
Magnesium	ppm	● 6	● 5	---	---
Zinc	ppm	25	16	---	---
Phosphorus	ppm	● 1642	● 1506	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 54	● 72	---	---

Diagnosis

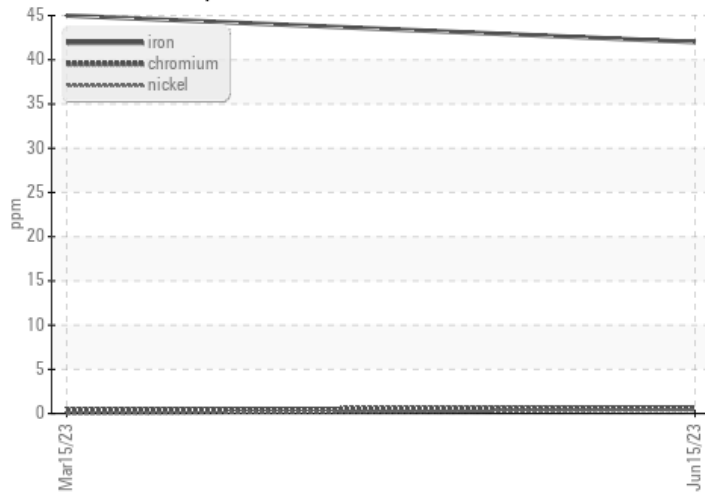
Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: RECBRILH
 Unique No: 10535226
 Signed: Jonathan Hester
 Report Date: 30 Jun 2023

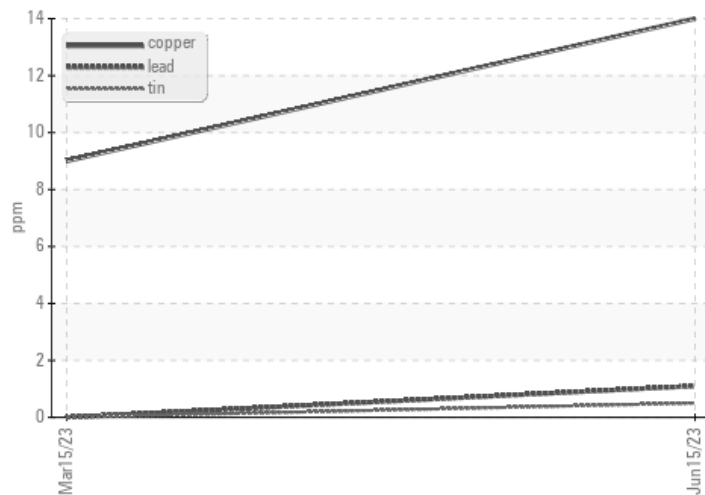


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

