

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M 122207-1215 - Front Right Wheel Hub

Sample No: LH0273218

Oil Type: GEAR OIL SAE 80W90



RECO EQUIPMENT INC.
 1040 REED DRIVE
 MONROE, OH
 US 45050
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SAMPLE INFORMATION

Sample Number	LH0273218	LH0244665	---	---
Sample Date	08 Jan 2024	17 May 2023	---	---
Machine Hours	3977	2962	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	ABNORMAL	NORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 184	● 182	---	---
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CONTAMINATION

Water	%	NEG	NEG	---	---
Silicon	ppm	● 5	● 6	---	---
Sodium	ppm	● 21	● 19	---	---
Potassium	ppm	● 2	● 2	---	---



WEAR METALS

Iron	ppm	● 54	● 49	---	---
Copper	ppm	● 139	● 97	---	---
Lead	ppm	● <1	● <1	---	---
Tin	ppm	● <1	● 0	---	---
Aluminum	ppm	● 2	● 2	---	---
Chromium	ppm	● <1	● 0	---	---
Molybdenum	ppm	● <1	<1	---	---
Nickel	ppm	● 0	● 0	---	---
Titanium	ppm	● <1	● <1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 6	4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 35	45	---	---
Magnesium	ppm	● 0	<1	---	---
Zinc	ppm	● 62	80	---	---
Phosphorus	ppm	● 2264	2433	---	---
Barium	ppm	● 0	0	---	---
Boron	ppm	● 2	0	---	---

Diagnosis

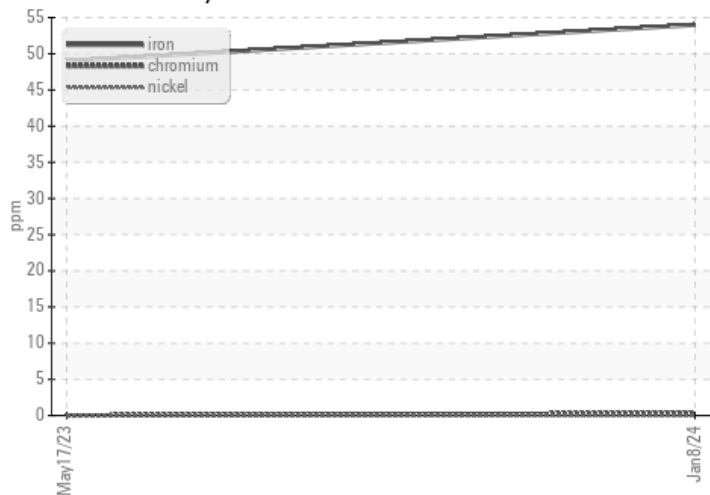
The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition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

Depot: LEC0075
 Unique No: 10832927
 Signed: Don Baldrige
 Report Date: 17 Jan 2024

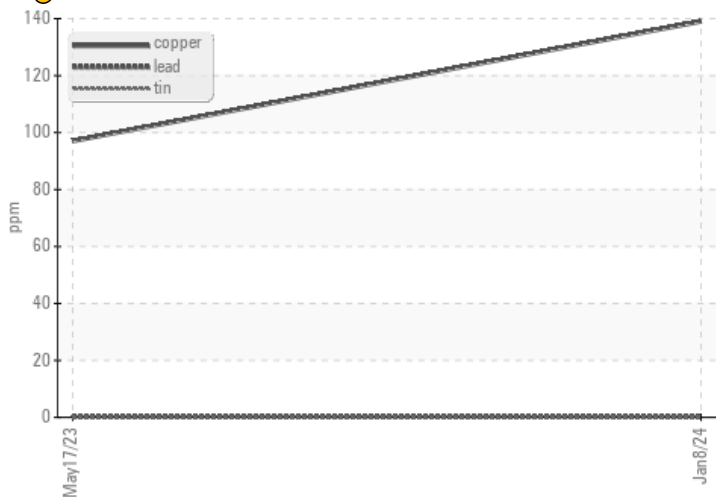


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

