

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR766 027905-1681 - Left Final Drive

Sample No: LH0254252

Oil Type: GEAR OIL SAE 80W140



SAMPLE INFORMATION

Sample Number	LH0254252	LH0254464	LH0254462	---
Sample Date	14 Mar 2024	15 Feb 2024	13 Feb 2024	---
Machine Hours	1016	301	346	---
Oil Hours	1016	301	346	---
Oil Changed	Not Changd	Not Changd	Not Changd	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

HEAVY MACHINES INC.
 3930 EAST RAINES RD
 MEMPHIS, TN
 US 38118
 Contact: J. DAVIS
 JDAVIS@HEAVY.LLC.COM
 T:
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OIL CONDITION

Visc @ 40°C	cSt	268	273	301	---
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CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	16	14	13	---
Sodium	ppm	3	4	3	---
Potassium	ppm	3	<1	0	---



WEAR METALS

Iron	ppm	87	96	49	---
Copper	ppm	122	54	46	---
Lead	ppm	<1	1	0	---
Tin	ppm	4	1	2	---
Aluminum	ppm	3	3	1	---
Chromium	ppm	2	1	<1	---
Molybdenum	ppm	10	8	<1	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	<1	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	2	1	---
Vanadium	ppm	<1	<1	0	---



ADDITIVES

Calcium	ppm	93	85	16	---
Magnesium	ppm	3	<1	0	---
Zinc	ppm	59	37	<1	---
Phosphorus	ppm	1002	1162	1163	---
Barium	ppm	125	143	80	---
Boron	ppm	2	<1	2	---

Diagnosis

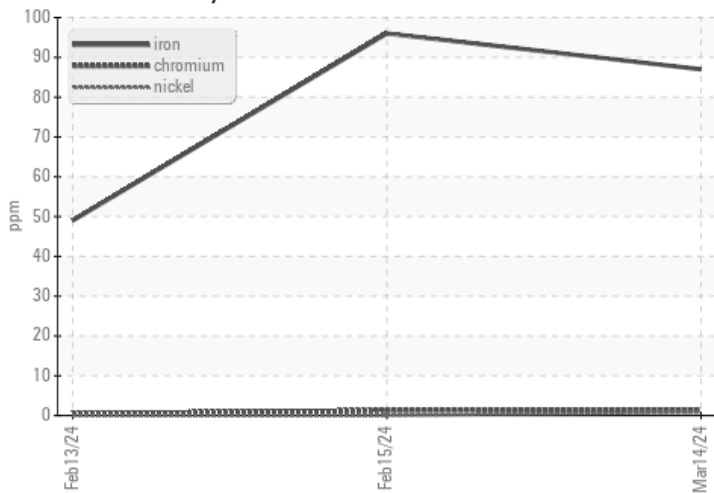
No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. All other metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0051
 Unique No: 10938149
 Signed: Don Baldrige
 Report Date: 22 Mar 2024

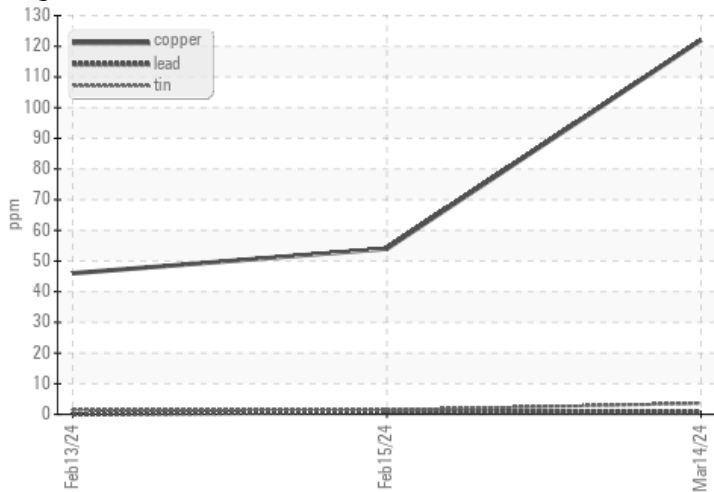


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

