

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR PR766 027906-1681 - Left Final Drive

Sample No: LH0254254

Oil Type: GEAR OIL SAE 80W140



HEAVY MACHINES INC.
 3930 EAST RAINES RD
 MEMPHIS, TN
 US 38118
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SAMPLE INFORMATION

Sample Number	LH0254254	---	---	---
Sample Date	07 Mar 2024	---	---	---
Machine Hours	882	---	---	---
Oil Hours	882	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 292	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 11	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 2	---	---	---



WEAR METALS

Iron	ppm	● 54	---	---	---
Copper	ppm	● 144	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 4	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 1	---	---	---
Molybdenum	ppm	● 2	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	● 41	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 39	---	---	---
Phosphorus	ppm	● 1057	---	---	---
Barium	ppm	● 85	---	---	---
Boron	ppm	● 3	---	---	---

Diagnosis

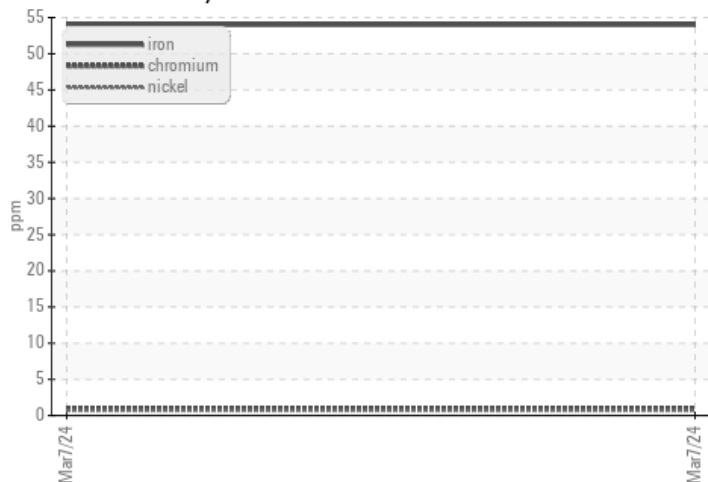
No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. All other metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The condition of the oil is acceptable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

Depot: LEC0051
 Unique No: 10938152
 Signed: Don Baldrige
 Report Date: 22 Mar 2024

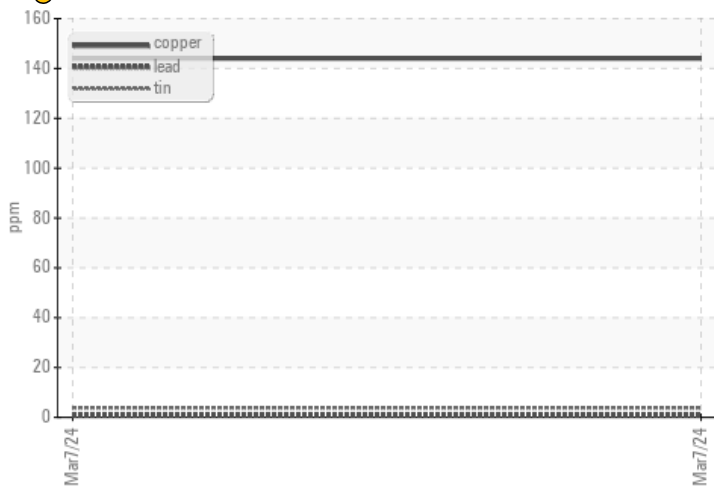


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

