

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L526 080790-1872 - Rear Differential

Sample No: LH0254471
 Oil Type: GEAR OIL LS 80W90



HEAVY MACHINES INC.
 3930 EAST RAINES RD
 MEMPHIS, TN
 US 38118
 Contact: J. DAVIS
 JDAVIS@HEAVY.LLC.COM
 T:
 F: (901)260-2245



Sample Information

Sample Number	LH0254471	---	---	---
Sample Date	10 Apr 2024	---	---	---
Machine Hours	378	---	---	---
Oil Hours	378	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	NORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 184	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 16	---	---	---
Sodium	ppm	● 14	---	---	---
Potassium	ppm	● 3	---	---	---



Wear Metals

Iron	ppm	● 113	---	---	---
Copper	ppm	● 1	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 1	---	---	---
Molybdenum	ppm	● 2	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 19	---	---	---
Vanadium	ppm	<1	---	---	---



Additives

Calcium	ppm	● 84	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 65	---	---	---
Phosphorus	ppm	3818	---	---	---
Barium	ppm	● 3	---	---	---
Boron	ppm	4	---	---	---

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL LS 80W90. Please confirm.

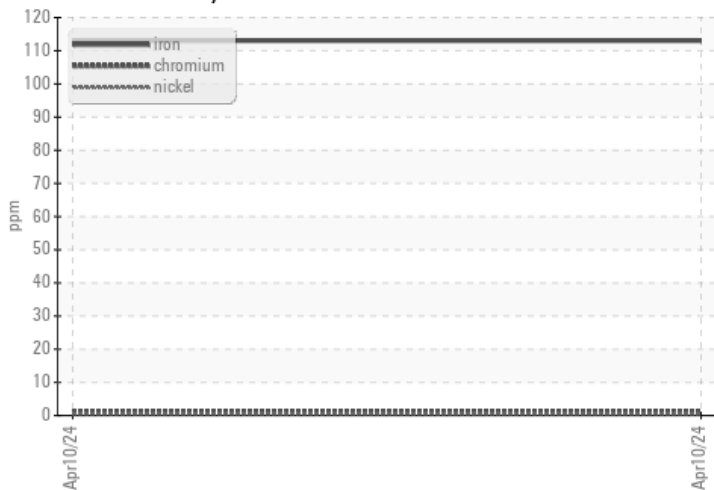
All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0051
 Unique No: 11021989
 Signed: Wes Davis
 Report Date: 13 May 2024

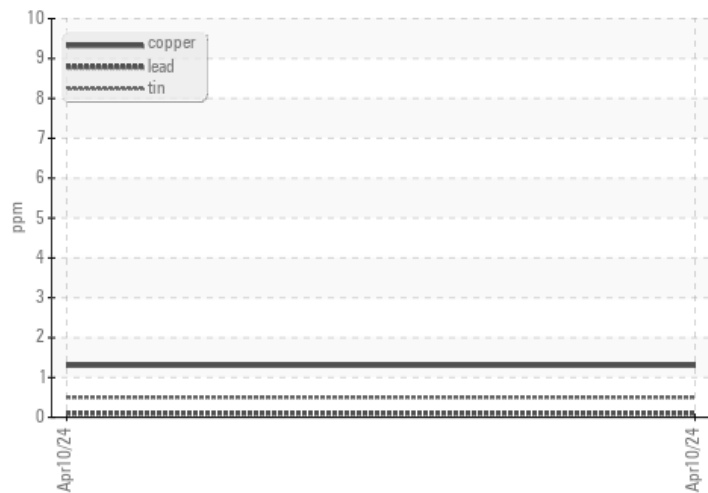


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

