

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 066954-1760 - Rear Differential

Sample No: LH0243635

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0243635	---	---	---
Sample Date	17 Aug 2023	---	---	---
Machine Hours	1464	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

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 2055 SOUTH 108TH STREET
 MILWAUKEE, WI
 US 53227
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 T: (414)234-0854
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OIL CONDITION

Visc @ 40°C	cSt	● 186	---	---	---
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CONTAMINATION

Silicon	ppm	● 32	---	---	---
Sodium	ppm	● 8	---	---	---
Potassium	ppm	● 2	---	---	---



WEAR METALS

Iron	ppm	● 164	---	---	---
Copper	ppm	● 156	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 9	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 42	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

Calcium	ppm	● 8	---	---	---
Magnesium	ppm	● 1	---	---	---
Zinc	ppm	● 133	---	---	---
Phosphorus	ppm	● 2152	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 5	---	---	---

Diagnosis

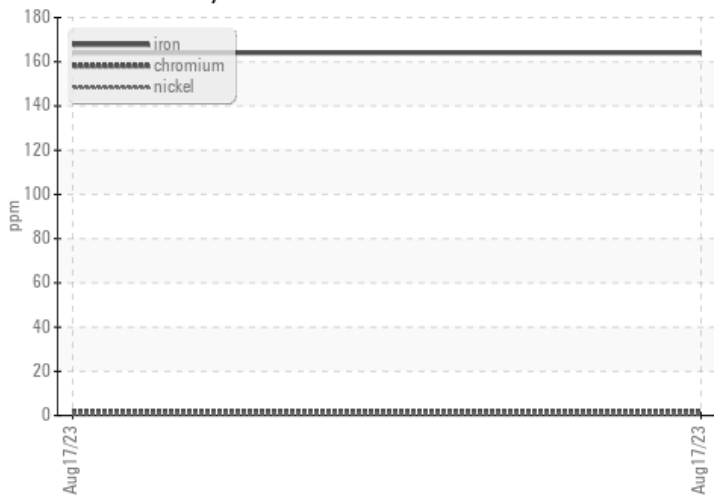
The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time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

Depot: LEC0007
Unique No: 10630999
Signed: Sean Felton
Report Date: 05 Sep 2023

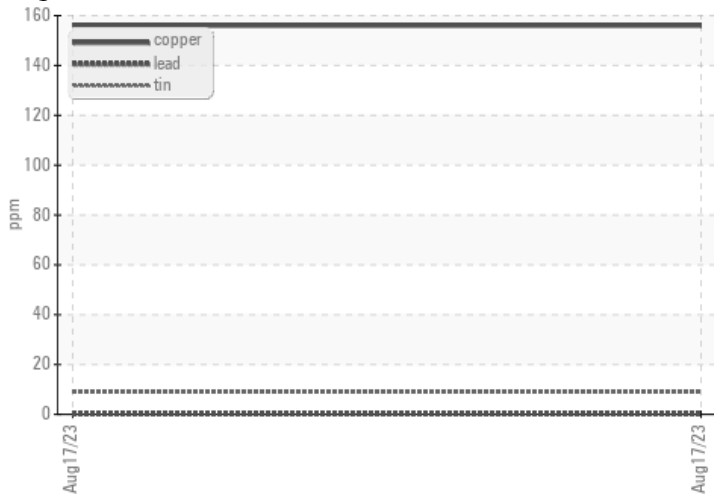


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

