

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60 109095 - Swing Drive

Sample No: LH0258243

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0258243	LH0244884	---	---
Sample Date	09 Oct 2023	03 Apr 2023	---	---
Machine Hours	10694	10147	---	---
Oil Hours	0	0	---	---
Oil Changed	Not Chngd	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---

INTEGRITY METALS

835 EAST INDUSTRIAL
MORRISTOWN, IN
US 46161

Contact: HEIDI KERSTIENS
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OIL CONDITION

Visc @ 40°C	cSt	● 184	● 198	---	---
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CONTAMINATION

Silicon	ppm	● 2	● 3	---	---
Sodium	ppm	● 4	● <1	---	---
Potassium	ppm	● 2	● 0	---	---



WEAR METALS

Iron	ppm	● 158	● 178	---	---
Copper	ppm	● 27	● 14	---	---
Lead	ppm	● 0	● 0	---	---
Tin	ppm	● 2	● 0	---	---
Aluminum	ppm	● <1	● 1	---	---
Chromium	ppm	● <1	● <1	---	---
Molybdenum	ppm	● 0	● 0	---	---
Nickel	ppm	● 0	● 0	---	---
Titanium	ppm	<1	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 2	● 1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 33	● 12	---	---
Magnesium	ppm	● 0	● 8	---	---
Zinc	ppm	● 17	● 1	---	---
Phosphorus	ppm	● 1918	● 2133	---	---
Barium	ppm	● 0	● 0	---	---
Boron	ppm	● 0	● 0	---	---

Diagnosis

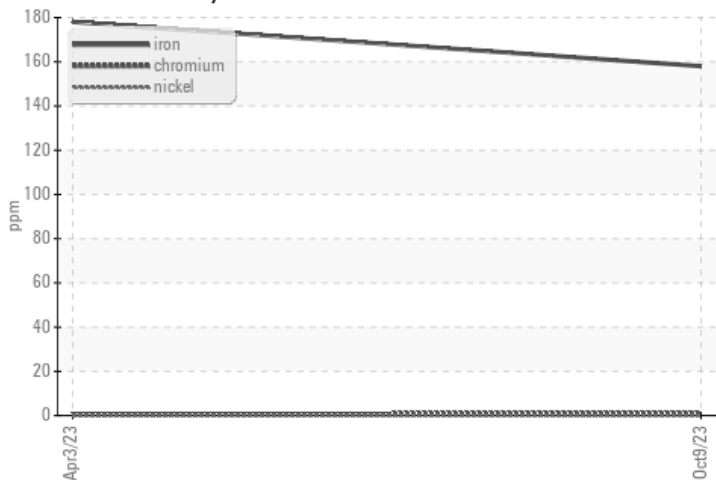
Resample at the next service interval to monitor. All component wear rates are normal. The water content is negligible. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: INTMORLH
Unique No: 10708582
Signed: Angela Borella
Report Date: 24 Oct 2023

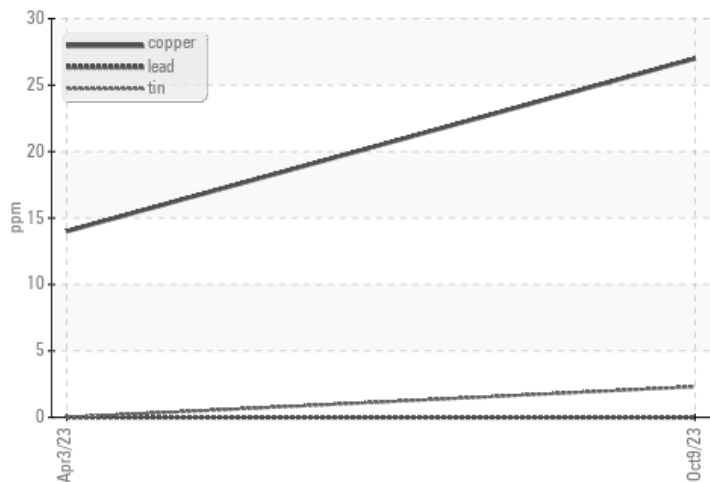


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

