

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R966 31602 (S/N 1783-53867) - Right Final Drive

Sample No: LH0293227

Oil Type: LIEBHERR GEAR BASIC 90 LS



Sample Information

Sample Number	LH0293227	---	---	---
Sample Date	26 Jun 2024	---	---	---
Machine Hours	955	---	---	---
Oil Hours	955	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD
RALEIGH, NC

US 27603

Contact: SHERWOOD LUCAS

sherwood.lucas@liebherr.com

T:

F: (919)329-0084



Oil Condition

Visc @ 40°C	cSt	● 137	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● <1	---	---	---
Sodium	ppm	● 2	---	---	---
Potassium	ppm	● 2	---	---	---



Wear Metals

Iron	ppm	● 15	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 0	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 3	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● <1	---	---	---
Vanadium	ppm	<1	---	---	---



Additives

Calcium	ppm	● 38	---	---	---
Magnesium	ppm	● 16	---	---	---
Zinc	ppm	● 28	---	---	---
Phosphorus	ppm	● 831	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 116	---	---	---

Diagnosis

Resample at the next service interval to monitor. 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: LIEBHERRNC

Unique No: 11102049

Signed: Don Baldrige

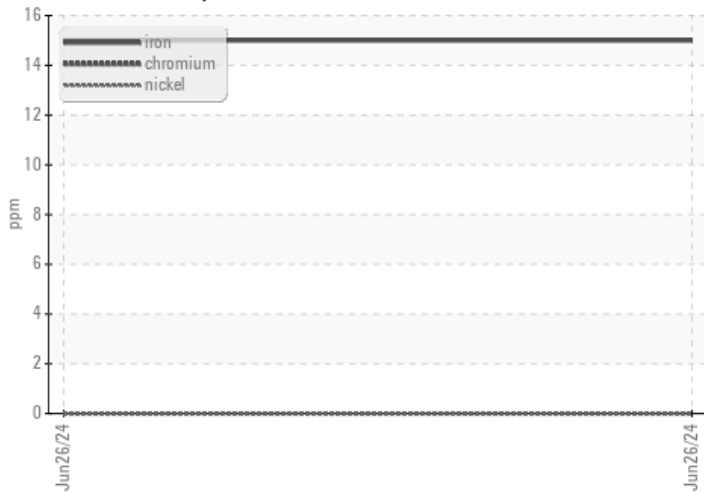
Report Date: 30 Jun 2024

Submitted By: SHERWOOD LUCAS

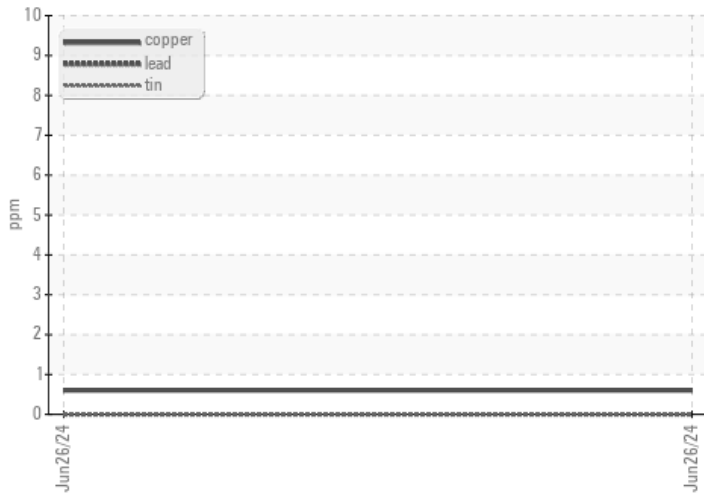


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

