

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M Liebherr LH40M (S/N 1215-98205) - Front Left Fil

Sample No: LH0267605

Oil Type: LIEBHERR GEAR BASIC 90 LS



LIEBHERR EQUIPMENT SOURCE
 8200 FAYETTEVILLE ROAD
 RALEIGH, NC
 US 27603
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 T:
 F: (919)329-0084



Sample Information

Sample Number	LH0267605	---	---	---
Sample Date	19 Jun 2024	---	---	---
Machine Hours	12027	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---



Oil Condition

Visc @ 40°C	cSt	● 182	---	---	---
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Contamination

Water	%	NEG	---	---	---
Silicon	ppm	● 14	---	---	---
Sodium	ppm	● 36	---	---	---
Potassium	ppm	● 10	---	---	---



Wear Metals

Iron	ppm	● 244	---	---	---
Copper	ppm	● 13	---	---	---
Lead	ppm	● 1	---	---	---
Tin	ppm	● <1	---	---	---
Aluminum	ppm	● 3	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● 5	---	---	---
Vanadium	ppm	<1	---	---	---



Additives

Calcium	ppm	● 37	---	---	---
Magnesium	ppm	● 3	---	---	---
Zinc	ppm	● 54	---	---	---
Phosphorus	ppm	● 2778	---	---	---
Barium	ppm	● 1	---	---	---
Boron	ppm	● 1	---	---	---

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.

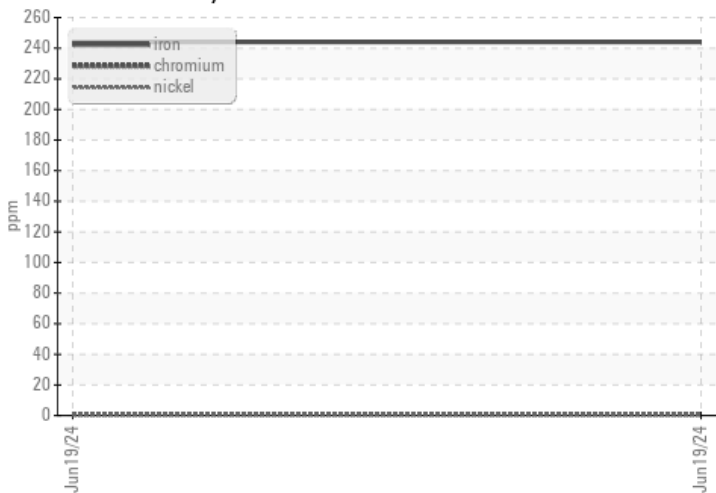
Depot: LIEBHERRNC
 Unique No: 11096833
 Signed: Sean Felton
 Report Date: 26 Jun 2024

Submitted By: SHERWOOD LUCAS

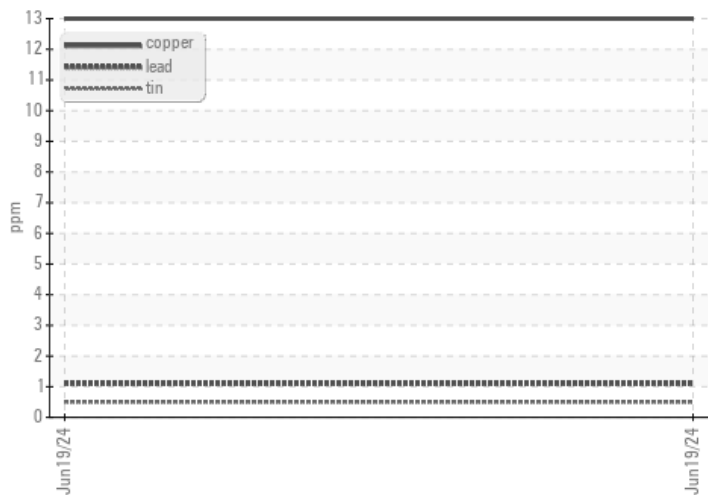


Graphs

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

