

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR R938 050886-1650 - Splitter Box

Sample No: LH0267313

Oil Type: LIEBHERR GEAR BASIC 90 LS



#### SAMPLE INFORMATION

Sample Number	LH0267313	LH0258965	LH0254075	---
Sample Date	19 Dec 2023	09 Aug 2023	02 Apr 2023	---
Machine Hours	2998	1993	1018	---
Oil Hours	0	1993	0	---
Oil Changed	Not Changd	Changed	Not Changd	---
Sample Status	NORMAL	NORMAL	SEVERE	---

**M&F CONCRETE PRODUCTS CO**  
 4002 CATLETT RD  
 CATLETT, VA  
 US 20119  
 Contact: Service Manager



#### OIL CONDITION

Visc @ 40°C	cSt	182	186	202	---
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T:  
F:



#### CONTAMINATION

Water	%	NEG	NEG	1.65	---
Silicon	ppm	2	<1	7	---
Sodium	ppm	4	4	2	---
Potassium	ppm	3	2	2	---

#### 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.



#### WEAR METALS

Iron	ppm	31	26	1062	---
Copper	ppm	4	2	<1	---
Lead	ppm	2	0	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	<1	0	0	---
Chromium	ppm	0	0	15	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	2	2	10	---
Vanadium	ppm	0	0	0	---



#### ADDITIVES

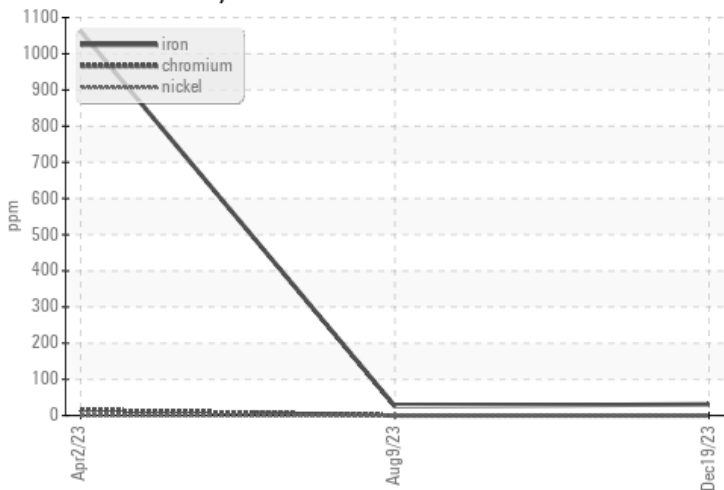
Calcium	ppm	73	61	22	---
Magnesium	ppm	2	4	4	---
Zinc	ppm	86	67	28	---
Phosphorus	ppm	1622	1451	1371	---
Barium	ppm	0	3	4	---
Boron	ppm	0	0	3	---

Depot: MECCAT  
 Unique No: 10831886  
 Signed: Wes Davis  
 Report Date: 16 Jan 2024

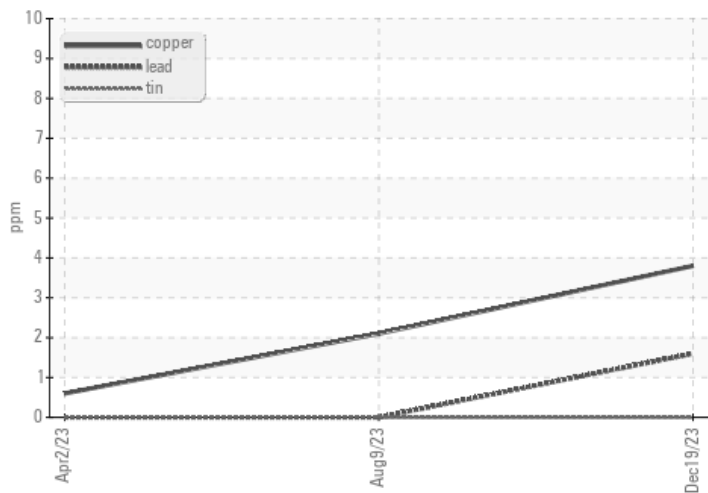


### GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

