

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40M MH-12 (S/N 142301) - Center Slewing Gearb

Sample No: LH0258584

Oil Type: LIEBHERR GEAR BASIC 90 LS



JR VINAGRO
2208 PLAINFIELD PIKE
JOHNSTON, RI
US 02919
Contact: Service Manager



SAMPLE INFORMATION

Sample Number	LH0258584	---	---	---
Sample Date	30 Oct 2023	---	---	---
Machine Hours	1195	---	---	---
Oil Hours	1195	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 178	---	---	---
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T:
F:



CONTAMINATION

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

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. All other metal levels are typical for a new component breaking in. 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	● 94	---	---	---
Copper	ppm	● 103	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 12	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

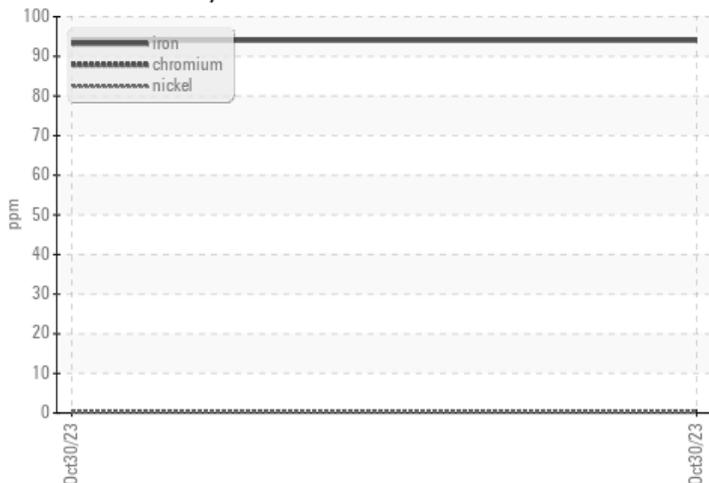
Calcium	ppm	● 36	---	---	---
Magnesium	ppm	● 6	---	---	---
Zinc	ppm	● 17	---	---	---
Phosphorus	ppm	● 2279	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 2	---	---	---

Depot: JRVJOH
Unique No: 10737570
Signed: Don Baldrige
Report Date: 13 Nov 2023

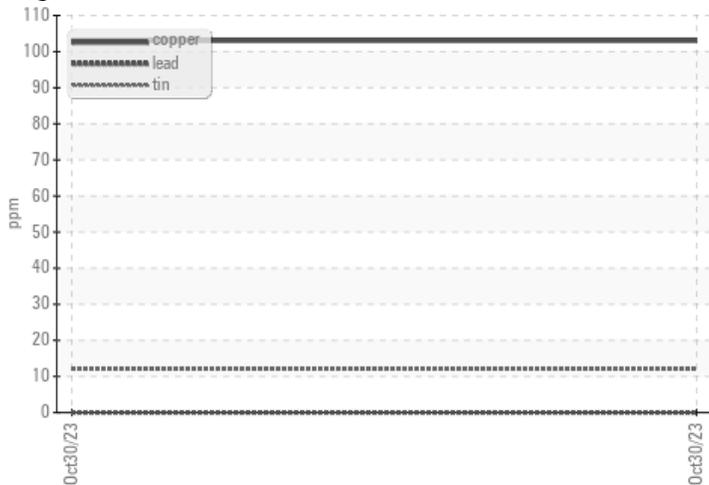


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

