

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH60M 119208-1217 - Swing Drive

Sample No: LH0257446

Oil Type: LIEBHERR GEAR BASIC 90 LS



SAMPLE INFORMATION

Sample Number	LH0257446	LH0200267	---	---
Sample Date	05 Jul 2023	30 Nov 2022	---	---
Machine Hours	3275	1763	---	---
Oil Hours	700	0	---	---
Oil Changed	Changed	Not Changd	---	---
Sample Status	NORMAL	ABNORMAL	---	---

TT & E IRON

1529 WEST GARNER RD
GARNER, NC
US 27529

Contact: MICHAEL STANCIL

culaterprowler@aol.com

T: (919)524-4326

F:



OIL CONDITION

Visc @ 40°C	cSt	● 172	● 153	---	---
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CONTAMINATION

Water	%	---	● 0.152	---	---
Silicon	ppm	● <1	● 2	---	---
Sodium	ppm	● 1	● 2	---	---
Potassium	ppm	● 0	● 0	---	---

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	● 320	● 452	---	---
Copper	ppm	● 49	● 67	---	---
Lead	ppm	● 0	● <1	---	---
Tin	ppm	● 3	● 2	---	---
Aluminum	ppm	● 1	● 1	---	---
Chromium	ppm	● 3	● 5	---	---
Molybdenum	ppm	● <1	● <1	---	---
Nickel	ppm	● <1	● <1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	● 4	● 4	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	● 6	● 21	---	---
Magnesium	ppm	● 14	● <1	---	---
Zinc	ppm	● 0	● 7	---	---
Phosphorus	ppm	● 2127	● 1337	---	---
Barium	ppm	● 0	● <1	---	---
Boron	ppm	● 54	● 85	---	---

Depot: TTENEW

Unique No: 10551142

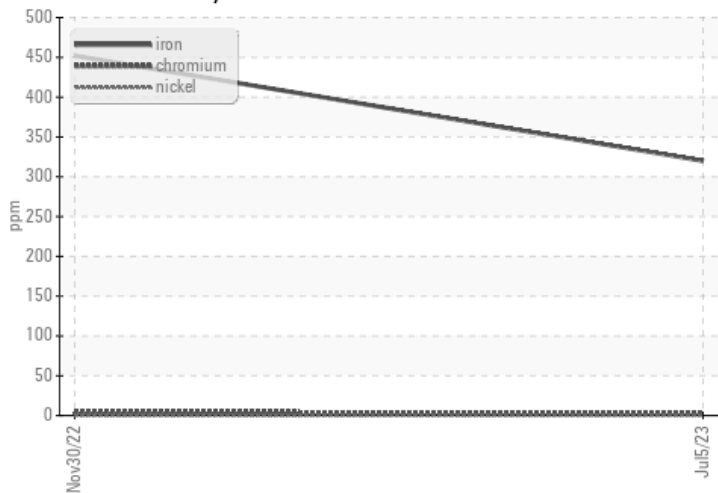
Signed: Sean Felton

Report Date: 12 Jul 2023

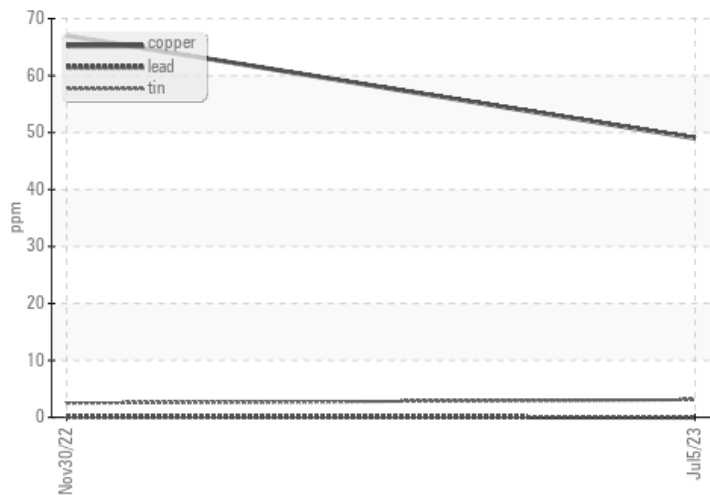


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

