

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 1414-52139 - Transmission

Sample No: LH0264117

Oil Type: LIEBHERR GEAR MF 80W



SAMPLE INFORMATION

Sample Number	LH0264117	---	---	---
Sample Date	14 Aug 2023	---	---	---
Machine Hours	2270	---	---	---
Oil Hours	1000	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

BINDERHOLZ

260 PIPER LN
ENFIELD, NC
US 27823

Contact: ROBERT BULLOCK
robert.bullock@binderholz.com

T:
F:



OIL CONDITION

Visc @ 40°C	cSt	42.9	---	---	---
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CONTAMINATION

Silicon	ppm	7	---	---	---
Sodium	ppm	9	---	---	---
Potassium	ppm	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 fluid. The condition of the fluid is acceptable for the time in service.



WEAR METALS

Iron	ppm	18	---	---	---
Copper	ppm	<1	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	0	---	---	---
Chromium	ppm	<1	---	---	---
Molybdenum	ppm	0	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	0	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

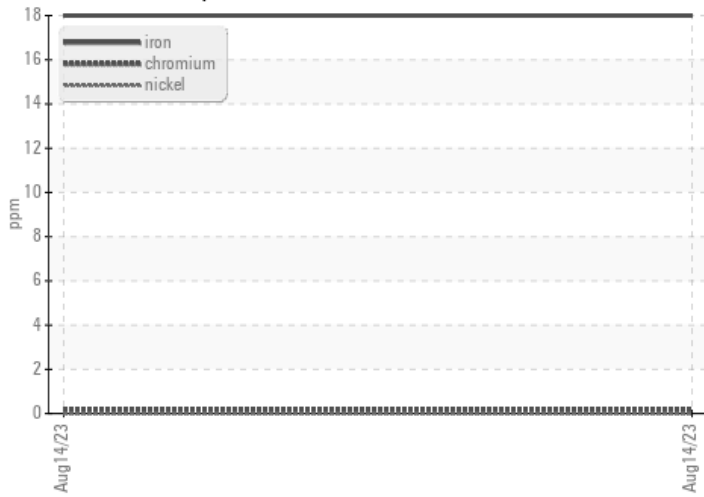
Calcium	ppm	3724	---	---	---
Magnesium	ppm	6	---	---	---
Zinc	ppm	1592	---	---	---
Phosphorus	ppm	1241	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	131	---	---	---

Depot: BINENF
Unique No: 10605123
Signed: Don Baldrige
Report Date: 16 Aug 2023

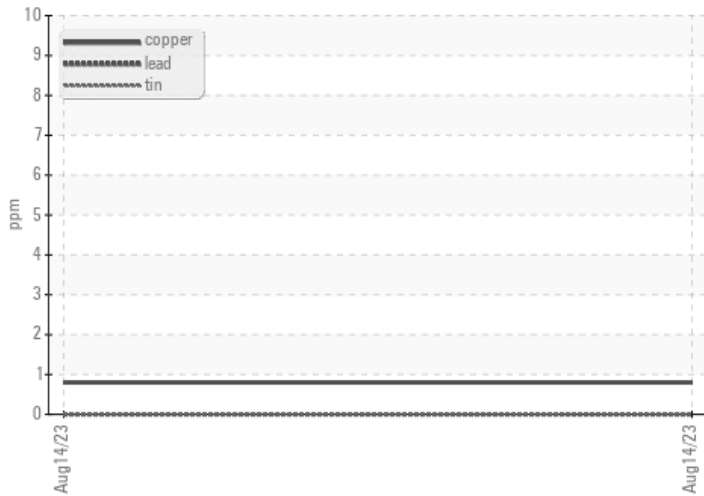


GRAPHS

Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

