

LIEBHERR

CONSTRUCTION EQUIPMENT



ROADTECRP190E 4130 - Right Auger

Sample No: LH0257955

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0257955	---	---	---
Sample Date	25 Jul 2023	---	---	---
Machine Hours	3460	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

FINKBINER EQUIPMENT CO.

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OIL CONDITION

Visc @ 40°C	cSt	110	---	---	---
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CONTAMINATION

Silicon	ppm	7	---	---	---
Sodium	ppm	1	---	---	---
Potassium	ppm	0	---	---	---



WEAR METALS

Iron	ppm	583	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	0	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	6	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	21	---	---	---
Magnesium	ppm	9	---	---	---
Zinc	ppm	17	---	---	---
Phosphorus	ppm	1131	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	165	---	---	---

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. Gear wear is indicated. All other 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: LEC0033

Unique No: 10632193

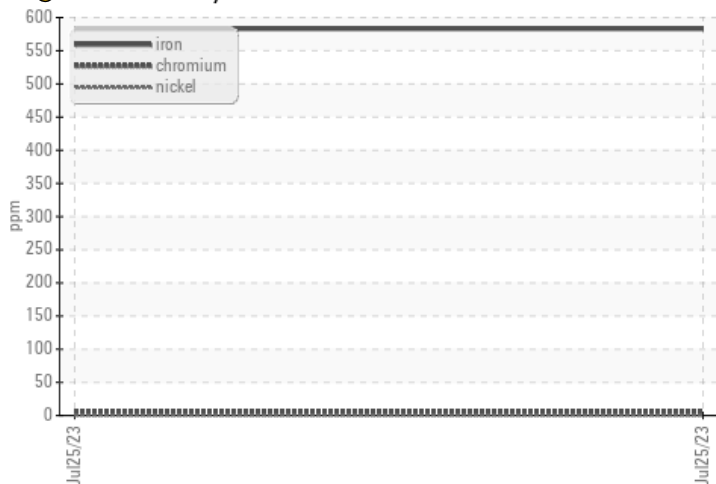
Signed: Don Baldrige

Report Date: 07 Sep 2023

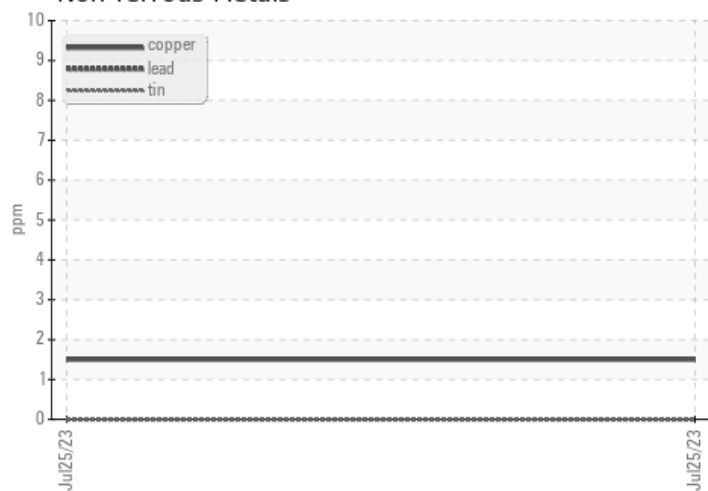


GRAPHS

● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

