

LIEBHERR

CONSTRUCTION EQUIPMENT



ROADTECRP190E 4130 - Gearbox

Sample No: LH0257956

Oil Type: SH 1010



SAMPLE INFORMATION

Sample Number	LH0257956	---	---	---
Sample Date	25 Jul 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	500	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

FINKBINER EQUIPMENT CO.

15 W 400 N FRONTAGE RD
BURR RIDGE, IL
US 60527
Contact: DON FITZGERALD
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T: (815)546-8991
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OIL CONDITION

Visc @ 40°C	cSt	● 93.6	---	---	---
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CONTAMINATION

Silicon	ppm	● 23	---	---	---
Sodium	ppm	● 10	---	---	---
Potassium	ppm	● 2	---	---	---



WEAR METALS

Iron	ppm	● 347	---	---	---
Copper	ppm	● 1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 6	---	---	---
Chromium	ppm	● 3	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	5	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	27	---	---	---
Magnesium	ppm	13	---	---	---
Zinc	ppm	166	---	---	---
Phosphorus	ppm	514	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	71	---	---	---

Diagnosis

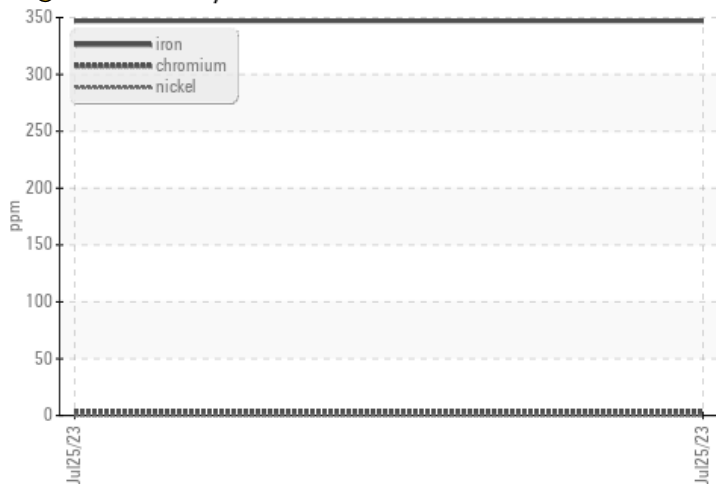
The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Gear wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0033
Unique No: 10632188
Signed: Doug Bogart
Report Date: 05 Sep 2023

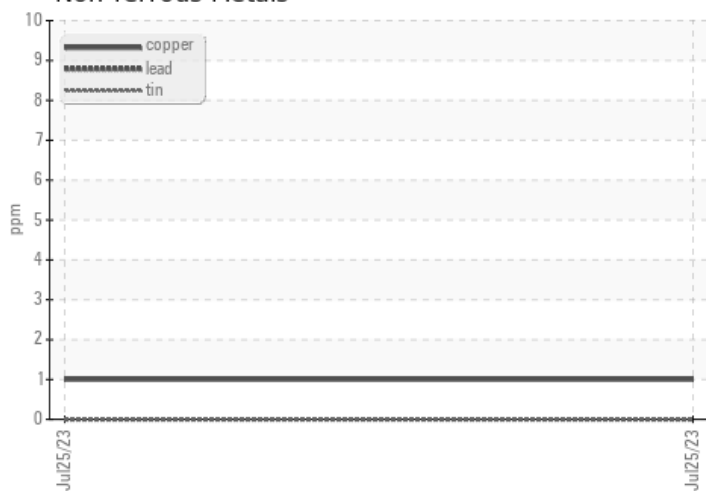


GRAPHS

● Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C

