

# LIEBHERR

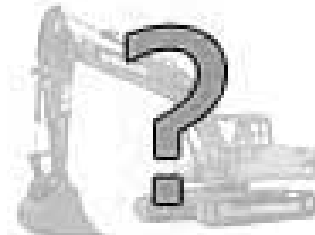
## CONSTRUCTION EQUIPMENT



### GRADALL XL4100II 140000450 - Rear Differential

Sample No: LH0254423

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH0254423	---	---	---
Sample Date	19 Jun 2023	---	---	---
Machine Hours	1700	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

#### FINKBINER EQUIPMENT CO.

15 W 400 N FRONTAGE RD

BURR RIDGE, IL

US 60527

Contact: TROY MILLER

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T: (630)654-3700

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#### OIL CONDITION

Visc @ 40°C	cSt	● 145	---	---	---
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#### CONTAMINATION

Silicon	ppm	● 19	---	---	---
Sodium	ppm	● 6	---	---	---
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 oil. The condition of the oil is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	● 143	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 3	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 11	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 46	---	---	---
Magnesium	ppm	● 3	---	---	---
Zinc	ppm	● 25	---	---	---
Phosphorus	ppm	● 331	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 0	---	---	---

Depot: LEC0033

Unique No: 10548847

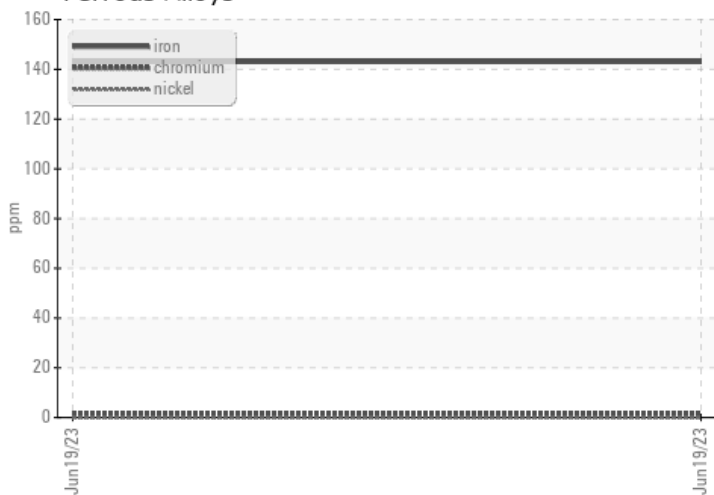
Signed: Don Baldrige

Report Date: 11 Jul 2023

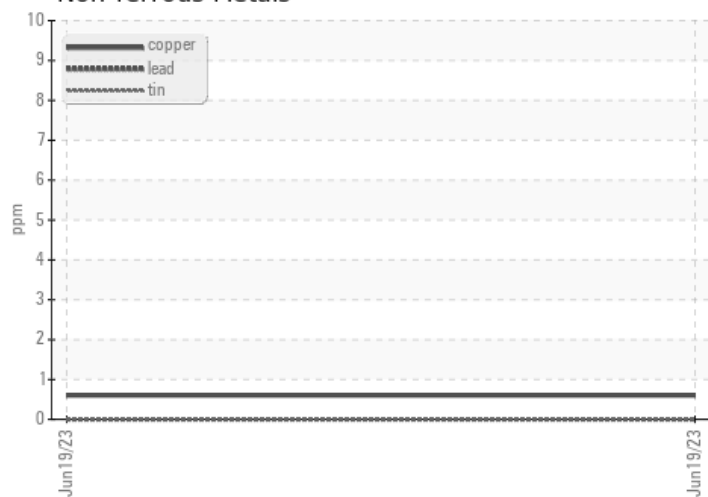


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

