

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### SAKAI SW844 3SW79-40259 - Rear Differential

Sample No: LH0254425

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH0254425	---	---	---
Sample Date	25 Jul 2023	---	---	---
Machine Hours	102	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	NORMAL	---	---	---

#### FINKBINER EQUIPMENT CO.

15 W 400 N FRONTAGE RD

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US 60527

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#### OIL CONDITION

Visc @ 40°C	cSt	● 133	---	---	---
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#### CONTAMINATION

Silicon	ppm	● 5	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● 2	---	---	---



#### WEAR METALS

Iron	ppm	● 10	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	● <1	---	---	---



#### ADDITIVES

Calcium	ppm	● 4	---	---	---
Magnesium	ppm	● 2	---	---	---
Zinc	ppm	● 0	---	---	---
Phosphorus	ppm	● 1009	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 189	---	---	---

#### 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.

Depot: LEC0033

Unique No: 10615837

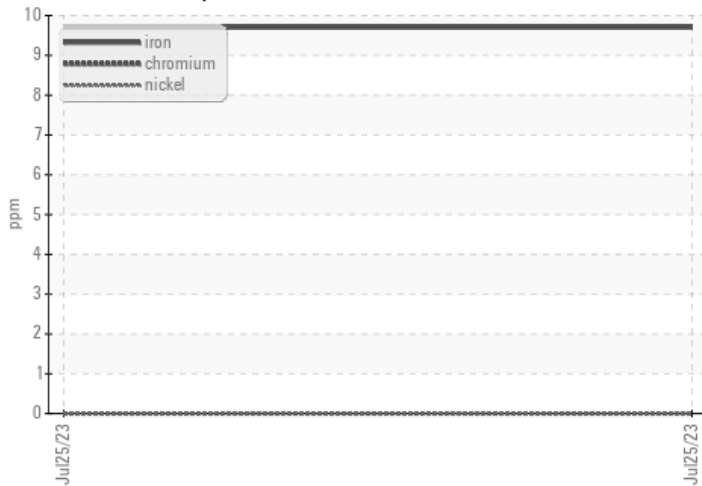
Signed: Sean Felton

Report Date: 23 Aug 2023

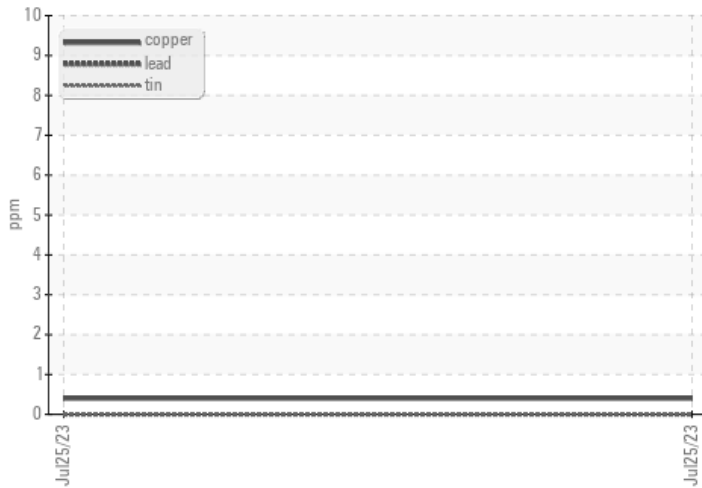


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

