

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### ARIER - Unknown Component

Sample No: LH

Oil Type: GEAR OIL SAE 80



#### SAMPLE INFORMATION

Sample Number	LH	---	---	---
Sample Date	07 Oct 2023	---	---	---
Machine Hours	7731	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	NORMAL	---	---	---

HUBERT & FILS

474 ROUTE 105

BOIS-FRANC, QC

CA J9E 3A9

Contact: Eric Brisebois

ericbrisebois99@gmail.com

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#### OIL CONDITION

Visc @ 40°C	cSt	● 84.6	---	---	---
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#### CONTAMINATION

Silicon	ppm	15	---	---	---
Sodium	ppm	● <1	---	---	---
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 sample. The condition of the sample is acceptable for the time in service.



#### WEAR METALS

Iron	ppm	21	---	---	---
Copper	ppm	2	---	---	---
Lead	ppm	<1	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	1	---	---	---
Chromium	ppm	0	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	<1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	3666	---	---	---
Magnesium	ppm	● 14	---	---	---
Zinc	ppm	1325	---	---	---
Phosphorus	ppm	● 1163	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	● 103	---	---	---

Depot: HUBBOI

Unique No: 5659434

Signed: Kevin Marson

Report Date: 20 Oct 2023



### GRAPHS

