

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR L550 025363 -1 Slewing Gearbox

Sample No: LH0183669

Oil Type: LIEBHERR GEAR HYPOID 90 EP



#### Sample Information

Sample Number	LH0183669	---	---	---
Sample Date	14 Mar 2024	---	---	---
Machine Hours	588	---	---	---
Oil Hours	133	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

LIEBHERR CANADA LTD.

49C MEWS PLACE

ST. JOHN'S, NL

CA A1B 4N2

Contact: Warren Coombs

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T:

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#### Oil Condition

Visc @ 40°C	cSt	● 196	---	---	---
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#### Contamination

Water	%	● 0.281	---	---	---
Silicon	ppm	● 0	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● <1	---	---	---



#### Wear Metals

Iron	ppm	● 36	---	---	---
Copper	ppm	● <1	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	<1	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● 0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 0	---	---	---
Vanadium	ppm	0	---	---	---



#### Additives

Calcium	ppm	● 30	---	---	---
Magnesium	ppm	2	---	---	---
Zinc	ppm	● 20	---	---	---
Phosphorus	ppm	● 1154	---	---	---
Barium	ppm	● <1	---	---	---
Boron	ppm	2	---	---	---

#### Diagnosis

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. Confirm the source of the lubricant being utilized for top-up/fill. We recommend an early resample to monitor this condition. NOTE: Test values may be askew due high concentration of free water present in sample. All component wear rates are normal. There is a moderate concentration of water present in the oil. Free water present. The oil is no longer serviceable due to the presence of contaminants.

Depot: LIE49STJ

Unique No: 5760195

Signed: Kevin Marson

Report Date: 09 Apr 2024



### Graphs

