

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LINKBELT N8X1001 - Left Final Drive

Sample No: LH0267654

Oil Type: GEAR OIL SAE 80W90



#### SAMPLE INFORMATION

Sample Number	LH0267654	---	---	---
Sample Date	03 Oct 2023	---	---	---
Machine Hours	19078	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Changed	---	---	---
Sample Status	ABNORMAL	---	---	---

**OZINGA MATERIALS**  
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 US 60617  
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#### OIL CONDITION

Visc @ 40°C	cSt	● 142	---	---	---
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#### CONTAMINATION

Silicon	ppm	● 75	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 4	---	---	---



#### WEAR METALS

Iron	ppm	● 131	---	---	---
Copper	ppm	● 12	---	---	---
Lead	ppm	● 0	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● 7	---	---	---
Chromium	ppm	● 5	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	● 2	---	---	---
Vanadium	ppm	0	---	---	---



#### ADDITIVES

Calcium	ppm	● 44	---	---	---
Magnesium	ppm	● 0	---	---	---
Zinc	ppm	● 0	---	---	---
Phosphorus	ppm	● 348	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 21	---	---	---

#### Diagnosis

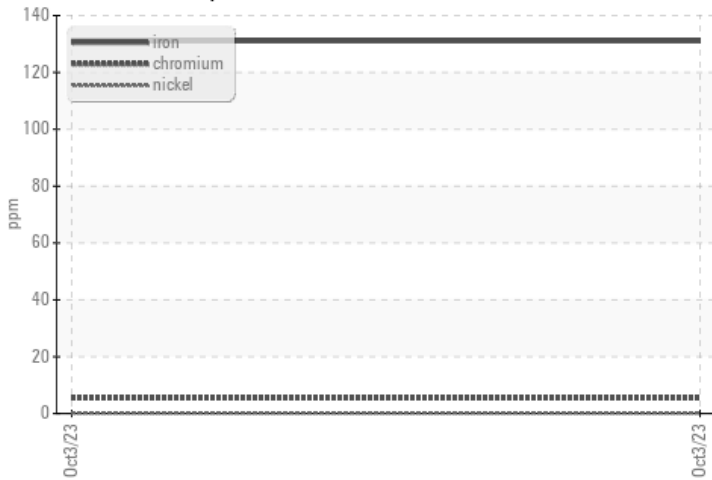
The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. All component wear rates are normal. Elemental level of silicon (Si) above normal. The condition of the oil is acceptable for the time in service.

Depot: CHICHILH  
 Unique No: 10701180  
 Signed: Don Baldrige  
 Report Date: 21 Oct 2023

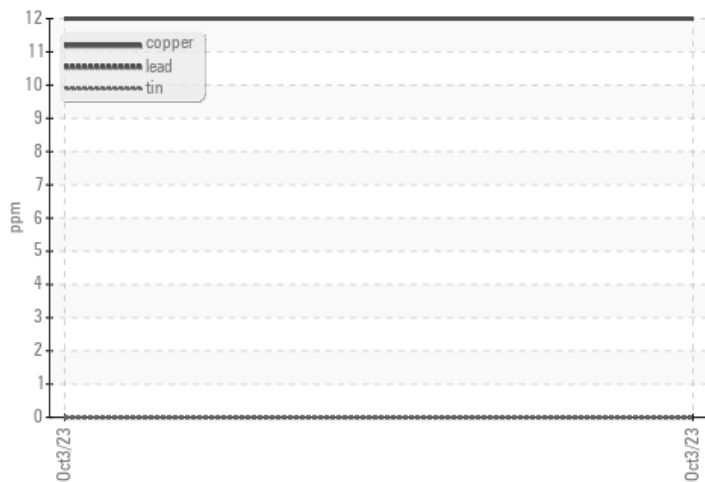


### GRAPHS

#### Ferrous Alloys



#### Non-ferrous Metals



#### Viscosity @ 40°C

