

## LIEBHERR LH110 155976-1227 - Rear Left Wheel Hub

Sample No: LH0267551

0

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

**Additives** 

ppm

ppm

ppm

ppm

ppm

ppm

**Oil Type:** GEAR OIL SAE 80W90

## **Sample Information** Sample Number LH0267551 LH0267534 LH0280578 LH0280567 KINDER MORGAN Sample Date 12 May 2024 18 Apr 2024 23 Feb 2024 30 Jan 2024 4301 IVERSON Machine Hours 1951 1623 995 534 TRINITY. AL **Oil Hours** 956 628 0 0 US 35601 Oil Changed Changed Not Changd Changed Not Changd Sample Status ATTENTION ATTENTION NORMAL NORMAL **Oil Condition** Visc @ 40°C cSt 96.6 0 156 0 98.7 0 155 **Contamination** % Water NEG NEG NEG NEG Silicon 5 0 17 0 15 ppm 07 0 03 0 Sodium 02 ppm Potassium ppm 01 $\bigcirc 0$ ○ <1 $\bigcirc 1$ ÷

Wear Metals					
Iron	ppm	<b>5</b> 5	36	55	<b>5</b> 0
Copper	ppm	0 12	8	0 17	0 13
Lead	ppm	<b>○</b> <1	0	○ <1	0
Tin	ppm	0	0	○ <1	0
Aluminum	ppm	01	○ <1	2	2
Chromium	ppm	<mark></mark> <1	○ <1	○ <1	○ <1
Molybdenum	ppm	02	01	0	0
Nickel	ppm	<mark>○</mark> <1	0	○ <1	0
Titanium	ppm	<b>○</b> <1	○ <1	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	01	○ <1	2	○ <1
Vanadium	ppm	<1	0	0	0

0 177

0 103

0 466

 $\bigcirc 0$ 

○ <1

 $\bigcirc 4$ 

0 111

2

0 26

 $\bigcirc 0$ 

0 14

0 1516

0 126

○ <1

0 10

 $\bigcirc 6$ 

 $\bigcirc 17$ 

0 1298

Contact: CHIP OAKES T: (256)350-0006 F: (256)355-5250

## Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal. Confirm oil type.



0 161

06

0 97

0 435

0

03







## Ø



Graphs

