

## 113718-1216 - Rear Right Wheel Hub

Sample No: LH0279267

Oil Type: LIEBHERR GEAR BASIC 90 LS

## **SAMPLE INFORMATION**

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Sample Number	LH0279267	LH0234883	LH0203484	LH
Sample Date	16 Jan 2024	22 Jul 2022	18 Aug 2021	06 Apr 2021
Machine Hours	5998	4000	0	0
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL
OIL CONDITION				
Visc@40°C cSt	105	182	160	95.6

Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	0 4	02	01	○ 5	
Sodium	ppm	0 2	03	2	2	
Potassium	ppm	01	○ <1	◯ <1	◯ <1	

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WEAI	R METALS				
Iron	ppm	0 18	0 16	8	0 17
Copper	ppm	0 25	9	0 13	34
Lead	ppm	<b>○</b> <1	○ <1	○ <1	01
Tin	ppm	0	0	○ <1	0
Aluminum	ppm	<b>○</b> <1	◯ <1	○ <1	◯ <1
Chromium	ppm	0	0	0	○ <1
Molybdenum	ppm	0	0	0	◯ <1
Nickel	ppm	<b>○</b> <1	○ <1	○ <1	○ <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	○ <1	◯ <1
Manganese	ppm	<b>○</b> <1	◯ <1	○ <1	◯ <1
Vanadium	ppm	0	0	0	0

ø **ADDITIVES** 0 15 Calcium ppm 9 0 14 22 Magnesium 01 ○ <1 ○ <1 2 ppm Zinc 0 12 0 13 0 37 25 ppm 2356 Phosphorus ppm 0 2646 2314 2462 Barium 0 ppm  $\bigcirc 0$  $\bigcirc 0$ ○ <1 Boron 40 ppm 211 17 0 272





American Iron and Metal

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## Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within SAE 75W90 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Depot:	BAKO
Unique No:	57108
Signed:	Kevin
Report Date:	18 Jan

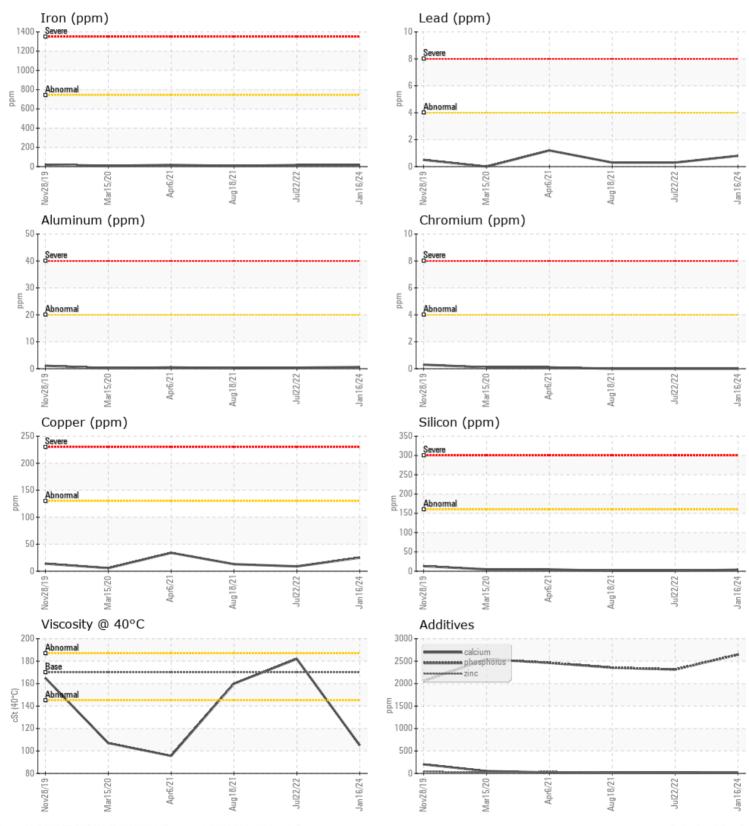
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