

116431-1217 - Rear Left Wheel Hub

Sample No: LH0277747

Oil Type: LIEBHERR GEAR BASIC 90 LS

SAMPLE INFORMATION

Sample Number	LH0277747	LH0202728	LH0239232	LH
Sample Date	08 Jan 2024	09 May 2023	29 Aug 2022	26 Jan 2022
Machine Hours	8104	7133	6053	4903
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL
Visc @ 40°C cSt	109	0 110	0 103	99.5
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	NTAMIN/	ATION				
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	0 2	0 2	02	04	
Sodium	ppm	○ <1	◯ <1	0 1	0 1	
Potassium	ppm	○ <1	0	0	◯ <1	

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WEA	R METALS				
Iron	ppm	0 11	9	8	22
Copper	ppm	1 4	0 13	0 13	◯ 30
Lead	ppm	○ <1	○ <1	◯ <1	01
Tin	ppm	0	0	0	○ <1
Aluminum	ppm	○ <1	0	0	○ <1
Chromium	ppm	0	0	0	○ <1
Molybdenum	ppm	○ <1	○ <1	0	0
Nickel	ppm	0	0	○ <1	○ <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	3	<1
Manganese	ppm	0	○ <1	◯ <1	○ <1
Vanadium	ppm	0	0	0	0

 ADDITIVES

 Calcium
 ppm
 21
 12

 Magnesium
 ppm
 13
 6

 Zinc
 ppm
 26
 17

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Zinc	ppm	26	0 17	0 12	23	
Phosphorus	ppm	1495	0 1634	1384	2179	
Barium	ppm	04	0 4	5	31	
Boron	maa	253	○ 265	0 308	282	

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American Iron and Metal

2555 Sheffield Road Ottawa, ON CA K1B 3V6 Contact: Dan Dupelle ddupelle@aim-rg.com T: (613)228-9380 F: (613)745-0692

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. Additive levels indicate the addition of a different brand, or type of oil. The condition of the oil is acceptable for the time in service.

Depot:	BAKOTT
Unique No:	5711756
Signed:	Wes Davis
Report Date:	23 Jan 20

Report Date: 23

5711756 Wes Davis 23 Jan 2024





GRAPHS

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