

[(365672)] LIEBHERR LH50M 135585-1216 - Rear Left Wheel H

Sample No: LH0223054

Oil Type: LIEBHERR GEAR BASIC 90 LS

Sample Information LH0223042 Sample Number LH0223054 LH0223030 LH0223018 Sample Date 25 Oct 2022 25 Aug 2022 27 Jun 2022 03 May 2022 Machine Hours 4976 3930 2996 2003 **Oil Hours** 0 0 0 0 Oil Changed Changed Changed Not Changd Changed Sample Status NORMAL ABNORMAL NORMAL NORMAL **Oil Condition** Visc @ 40°C cSt 0 152 147 134 15

Cor	ntaminati	ion				
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	07	0 14	0 11	27	
Sodium	ppm	01	2	2	02	
Potassium	ppm	○ <1	0 1	0 1	01	

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Wea	r Metals				
Iron	ppm	63	0 106	65	93
Copper	ppm	0 26	○ 54	0 41	50
Lead	ppm	○ <1	0 4	0 1	2
Tin	ppm	0	0	0	0
Aluminum	ppm	01	2	2	3
Chromium	ppm	0	○ <1	0	◯ <1
Molybdenum	ppm	0	○ <1	◯ <1	2
Nickel	ppm	0	○ <1	0	◯ <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	0 2	3	2	3
Vanadium	ppm	0	0	0	0

ø **Additives** 0 18 Calcium ppm 075 080 210 Magnesium ○ <1 \bigcirc 1 01 2 ppm 0 57 0 90 Zinc 44 0 37 ppm 0 2036 0 2096 Phosphorus ppm 0 2152 0 1698 Barium 0 ppm ○ <1 ○ <1 04 Boron 67 103 ppm 109 8



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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. 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.

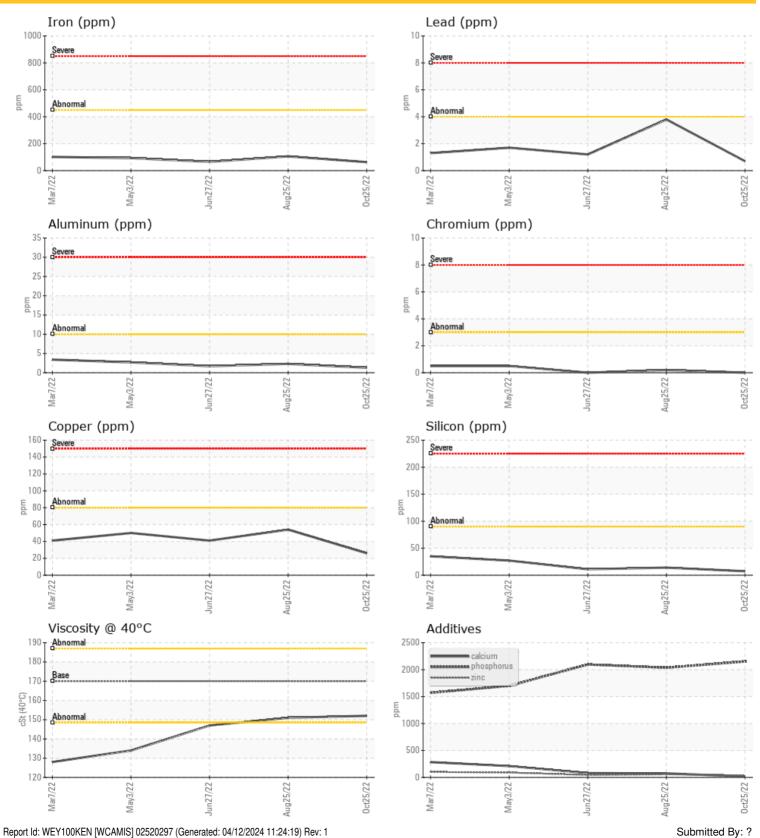
Depot:	WEY100KEN	
Unique No:	5477277	
Signed:	Kevin Marson	
Report Date:	02 Nov 2022	
	Submitted By: ?	





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Graphs



Page 2 of 2