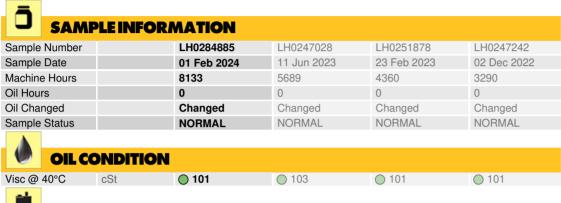
CONSTRUCTION EQUIPMENT

LIEBHERR LH50 137429 - Rear Axle

Sample No: LH0284885

Oil Type: **GEAR OIL SAE 75W90**



CONTAMINATION								
Water	%	NEG	NEG	NEG	NEG			
Silicon	ppm	2	O 2	O 2	02			
Sodium	ppm	0 <1	O 1	O <1	1			
Potassium	ppm	() <1	O <1	0	O <1			

WEAR METALS							
Iron	ppm	0 7	O 7	6	8		
Copper	ppm	13	9	O 5	O 12		
Lead	ppm	○ <1	O 0	<1	O <1		
Tin	ppm	0	O 0	O 0	0		
Aluminum	ppm	 <1	O 0	O <1	O 0		
Chromium	ppm	0	O 0	O 0	O 0		
Molybdenum	ppm	0	0	O 0	O 0		
Nickel	ppm	0	0	0	O <1		
Titanium	ppm	0	0	0	0		
Silver	ppm	<1	0	0	0		
Manganese	ppm	0	O <1	O 0	O <1		
Vanadium	ppm	0	0	0	0		

vanadium	ppm	0	U	U	0			
ADDI								
ADDITIVES								
Calcium	ppm	10	O 11	1 3	○ 22			
Magnesium	ppm	2	0 1	O 2	O 2			
Zinc	ppm	15	O 13	1 3	1 3			
Phosphorus	ppm	1263	O 1355	O 1346	O 1331			
Barium	ppm	0	0	O 0	O 0			
Boron	ppm	310	○ 301	○ 302	○ 310			





F:

Diagnosis

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 condition of the oil is acceptable for the time in service.

Depot: **COMWES** Unique No: 5733498 Signed: Wes Davis **Report Date:** 20 Feb 2024

CONSTRUCTION EQUIPMENT





GRAPHS

