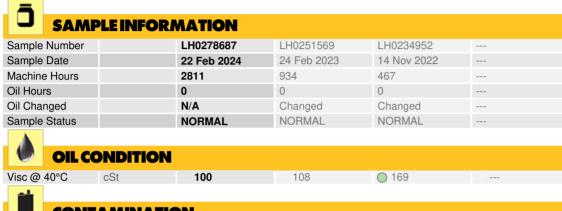
# LIEBHERR

# **CONSTRUCTION EQUIPMENT**

## LIEBHERR LH60M 141098-1217 - Swing Drive

Sample No: LH0278687

Oil Type: GEAR OIL SAE 80W90



CONTAMINATION								
Water	%	NEG	NEG	NEG				
Silicon	ppm	<b>2</b>	O <1	<b></b> <1				
Sodium	ppm	<b></b> <1	O <1	O 5				
Potassium	ppm	<b>0</b> <1	O <1	O 2				

WEA	R METAL	S			
Iron	ppm	<b>285</b>	O 41	O 118	
Copper	ppm	<b>56</b>	O 26	O 25	
Lead	ppm	<b>1</b>	O <1	O 1	
Tin	ppm	<b>O</b> <1	O <1	O <1	
Aluminum	ppm	<b></b> <1	O <1	O	
Chromium	ppm	<b>3</b>	O <1	O <1	
Molybdenum	ppm	<b>0</b>	0	O	
Nickel	ppm	<b></b> <1	O <1	O <1	
Titanium	ppm	0	0	0	
Silver	ppm	0	0	0	
Manganese	ppm	<b>2</b>		O 1	
Vanadium	ppm	0	0	0	

vanadium	ppm	U	U	U			
ADDI							
ADDITIVES							
Calcium	ppm	<b>8</b>	0 8	O 14			
Magnesium	ppm	<b>1</b>	O <1	O <1			
Zinc	ppm	<b>11</b>	<b>10</b>	O 11			
Phosphorus	ppm	<b>1248</b>	O 1372	2359			
Barium	ppm	<b>()</b> <1	O <1	○ 3			
Boron	ppm	<b>289</b>	O 252	○ 3			



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#### 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: JOHLON
Unique No: 5734842
Signed: Wes Davis
Report Date: 23 Feb 2024





### **GRAPHS**

