LIEBHERR

CONSTRUCTION EQUIPMENT



Sample No: LH06059590

Oil Type: GEAR OIL SAE 80W90

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SAMPLEINFORMATION						
Sample Number		LH06059590				
Sample Date		29 Dec 2023				
Machine Hours		2804				
Oil Hours		0				
Oil Changed		N/A				
Sample Status		ABNORMAL				
OIL CONDITION						
Visc @ 40°C	cSt	62.9				

COL		ATION				
CONTAMINATION						
Water	%	NEG				
Silicon	ppm	18				
Sodium	ppm	17				
Potassium	ppm	2				

₩EAR METALS					
Iron	ppm	218			
Copper	ppm	<u> </u>			
Lead	ppm	0 <1			
Tin	ppm	6			
Aluminum	ppm	2			
Chromium	ppm	2			
Molybdenum	ppm	○ <1			
Nickel	ppm	6			
Titanium	ppm	<1			
Silver	ppm	0			
Manganese	ppm	37			
Vanadium	ppm	0			

ADDITIVES						
Calcium	ppm	3561				
Magnesium	ppm	9				
Zinc	ppm	1492				
Phosphorus	ppm	1200				
Barium	ppm	4				
Boron	ppm	126				



HEAVY MACHINES INC. 3930 EAST RAINES RD MEMPHIS, TN US 38118 Contact: J. DAVIS JDAVIS@HEAVY.LLC.COM

T:

F: (901)260-2245

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Depot: LEC0051
Unique No: 10830972
Signed: Jonathan Hester
Report Date: 16 Jan 2024

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GRAPHS

