

LIEBHERR L550 072921-1825 - Diesel Engine

Sample No: LH0267673

Oil Type: DIESEL ENGINE OIL SAE 5W40

SAMPLE INFORMATION

Sample Number	LH0267673	LH0254420	
Sample Date	16 Nov 2023	09 Jun 2023	
Machine Hours	1586	563	
Oil Hours	500	563	
Oil Changed	Changed	Changed	
Sample Status	ABNORMAL	NORMAL	

0 12.0

5.8

200

OIL CONDITION Visc @ 100°C cSt 0 13.6 Base Number (BN) mg KOH/g 0 6.5 Oxidation (PA) % 59

Water	%	NEG	NEG			
Soot %	%	0.1	0.1			
Nitration (PA)	%	70	98			
Sulfation (PA)	%	53	108			
Glycol	%	NEG	NEG			
Fuel	%	<1.0	0 1.1			
Silicon	ppm	0 13	0 11			
Sodium	ppm	3	0 2			
Potassium	ppm	03	2			

WEAD METALS

0

WEAR MEIALS					
Iron	ppm	01	07		
Copper	ppm	<u> </u>	83		
Lead	ppm	0 🔘	2		
Tin	ppm	0 🔘	0		
Aluminum	ppm	01	07		
Chromium	ppm	◯ <1	0		
Molybdenum	ppm	06	55		
Nickel	ppm	○ <1	0		
Titanium	ppm	◯ <1	0		
Silver	ppm	0 🔘	0		
Manganese	ppm	○ <1	0		
Vanadium	ppm	<1	0		

ADDITIVES							
Calcium	ppm	1361	0 1438				
Magnesium	ppm	710	987				
Zinc	ppm	922	991				
Phosphorus	ppm	0 831	0 771				
Barium	ppm	02	28				
Boron	ppm	071	0 113				





HOMEWOOD DISPOSAL 1501 175TH ST HOMEWOOD, IL US 60430

Contact: Service Manager

T: F:

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.The copper level is abnormal. In the absence of other significant wear metals, suspect copper due to sources other than wear (i.e. cooling core). There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot:HOMHOMLHUnique No:10804367Signed:Jonathan HesterReport Date:27 Dec 2023

Report Id: HOMHOMLH [WUSCAR] 06043759 (Generated: 12/28/2023 00:09:48) Rev: 1

Contact/Location: Service Manager - HOMHOMLH









GRAPHS



