LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR R936LC 057985-1828 - Diesel Engine

Sample No: LH0273568

Oil Type: LIEBHERR MOTOROIL 5W30

	LH0273568					
	17 May 2024					
	341					
	0					
	N/A					
	SEVERE					
Oil Condition						
cSt	3.9					
mg KOH/g	4.6					
%	110					
Contamination						
	cSt mg KOH/g % mination	341 0 N/A SEVERE	17 May 2024 341 0 N/A SEVERE ndition cSt	17 May 2024 N/A		

Conta	imination			
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	72	 	
Sulfation (PA)	%	70	 	
Glycol	%	NEG	 	
Fuel	%	49.3	 	
Silicon	ppm	3	 	
Sodium	ppm	2	 	
Potassium	ppm	1	 	

Wed	ar Metal	S		
Iron	ppm	14	 	
Copper	ppm	116	 	
Lead	ppm	1	 	
Tin	ppm	○ <1	 	
Aluminum	ppm	4	 	
Chromium	ppm	() <1	 	
Molybdenum	ppm	28	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	() <1	 	
Vanadium	ppm	0	 	

Additives						
Calcium	ppm	717				
Magnesium	ppm	466				
Zinc	ppm	456				
Phosphorus	ppm	386				
Barium	ppm	19				
Boron	ppm	56				



LIEBHERR EQUIPMENT SOURCE

4100 CHESTNUT AVENUE NEWPORT NEWS, VA US 23607

Contact: LUKE APPLEBY Lucas.Appleby@liebherr.com

T:

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Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a very high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The oil is no longer serviceable due to the presence of contaminants.

Depot:LIEBHERRUSUnique No:11061045Signed:Don BaldridgeReport Date:06 Jun 2024

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Graphs







