LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH30M 1253-146094 - Diesel Engine

Sample No: LH0278138
Oil Type: DURON 5W40

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SAMPLEINFORMATION						
Sample Number		LH0278138				
Sample Date		20 Dec 2023				
Machine Hours		575				
Oil Hours		0				
Oil Changed		Changed				
Sample Status		ABNORMAL				
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OIL CO	ONDITION			
Visc @ 100°C	cSt	11.3	 	
Base Number (BN)	mg KOH/g	4.5	 	
Oxidation (PA)	%	208	 	
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CONTAMINATION						
Water	%	NEG				
Soot %	%	0.1				
Nitration (PA)	%	103				
Sulfation (PA)	%	110				
Glycol	%	NEG				
Fuel	%	1.1				
Silicon	ppm	8				
Sodium	ppm	0				
Potassium	ppm	5				

(O) WEA	R METALS			
VYEA	R ME I ALS			
Iron	ppm	14	 	
Copper	ppm	273	 	
Lead	ppm	2	 	
Tin	ppm	1	 	
Aluminum	ppm	3	 	
Chromium	ppm	1	 	
Molybdenum	ppm	46	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	1	 	
Vanadium	ppm	0	 	

		ADDITIVES						
m 🔘 13	22							
m 89	7							
m 86	6							
m 67	1	-						
m 17								
m 97								
r	m	m	m	m				



TRAM CONSTRUCTION

9279 E KY 8 GARRISON, KY US 41141

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). All other metal levels are typical for a new component breaking in. Fuel content negligible. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. The BN result indicates that there is suitable alkalinity remaining in the oil. Confirm oil type.

Depot:TRAGARLHUnique No:10806503Signed:Jonathan HesterReport Date:29 Dec 2023

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GRAPHS

