

LIEBHERR LH50M 142251-1216 - Diesel Engine

Sample No: LH0203836

Oil Type: NOT GIVEN

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SAMPLE INFORMATION

Sample Number	LH0203836	 	
Sample Date	16 Oct 2023	 	
Machine Hours	497	 	
Oil Hours	497	 	
Oil Changed	Changed	 	
Sample Status	NORMAL	 	

OIL CO	NDITION			
Visc @ 100°C	cSt	0 12.0	 	
Base Number (BN)	mg KOH/g	0 4.2	 	
Oxidation (PA)	%	204	 	

Soot %	%	0.1			
Nitration (PA)	%	99			
Sulfation (PA)	%	109			
Glycol	%	NEG			
Fuel	%	0 1.1			
Silicon	ppm	0 13			
Sodium	ppm	01			
Potassium	ppm	04			

WEAR METALS

Iron	ppm	0 10	 	
Copper	ppm	0 47	 	
Lead	ppm	02	 	
Tin	ppm	01	 	
Aluminum	ppm	0 4	 	
Chromium	ppm	01	 	
Molybdenum	ppm	0 48	 	
Nickel	ppm	○ <1	 	
Titanium	ppm	<1	 	
Silver	ppm	0 🔘	 	
Manganese	ppm	<1	 	
Vanadium	ppm	<1	 	

	TIVES			
Calcium	ppm	1412	 	
Magnesium	ppm	0 879	 	
Zinc	ppm	904	 	
Phosphorus	ppm	668	 	
Barium	ppm	31	 	
Boron	ppm	0 101	 	



LA COMPAGNIE AMERICAINE DE FER ET METAUX 2630 N. BANGOR ROAD BANGOR, ME US 04401 Contact: Service Manager

T: F:

Diagnosis

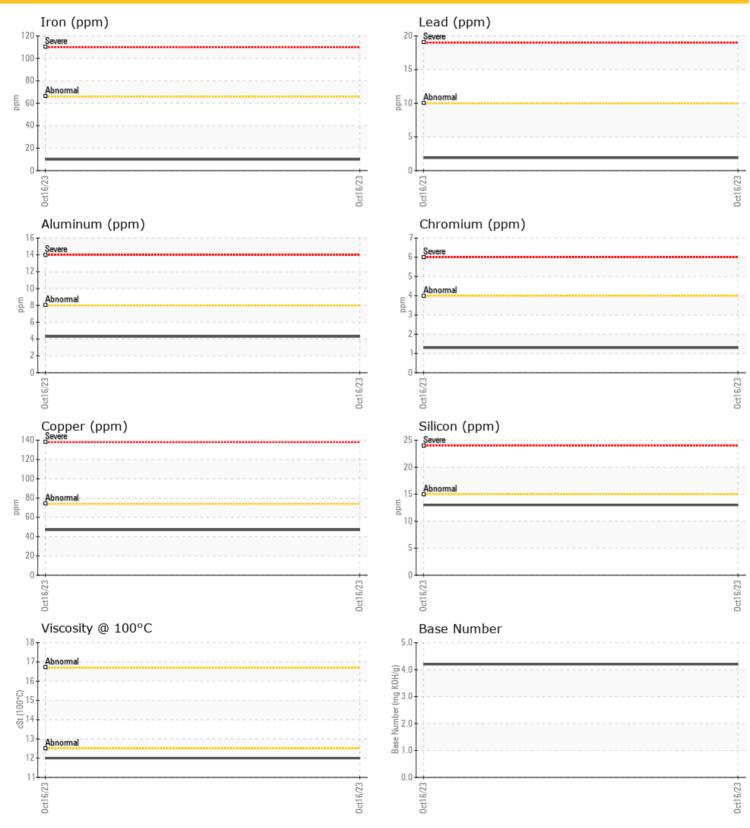
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. Fuel content negligible. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.





GRAPHS

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