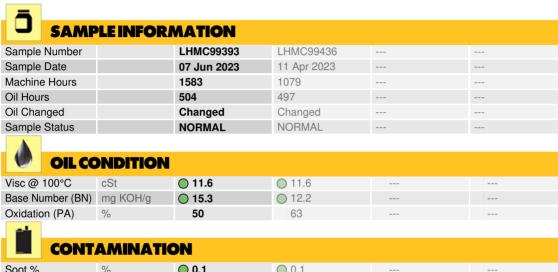
LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH40M 137053-1215 - Diesel Engine

Sample No: LHMC99393

Oil Type: LIEBHERR MOTOROIL 5W30



CONTAMINATION								
Soot %	%	0.1	0.1					
Nitration (PA)	%	96	98					
Sulfation (PA)	%	44	47					
Glycol	%	NEG	NEG					
Fuel	%	<1.0	<1.0					
Silicon	ppm	6	O 7					
Sodium	ppm	1	3					
Potassium	ppm	0	O 2					

₩ WEA	R METALS			
Iron	ppm	5	O 8	
Copper	ppm	6	O 62	
Lead	ppm	0	O <1	
Tin	ppm	0	O <1	
Aluminum	ppm	0	3	
Chromium	ppm	0	O <1	
Molybdenum	ppm	 <1	8	
Nickel	ppm	0	O 0	
Titanium	ppm	0	<1	
Silver	ppm	0	O <1	
Manganese	ppm	0	O 1	
Vanadium	ppm	0	0	

ADD	ITIVES			
Calcium	ppm	◯ 3502	O 4022	
Magnesium	ppm	33	145	
Zinc	ppm	977	O 1204	
Phosphorus	ppm	788	O 1043	
Barium	ppm	0 0	O 2	
Boron	ppm	227	○ 288	



RECO EQUIPMENT INC. 20620 ROUTE 19 NORTH CRANBERRY TOWNSHIP, PA US 16066

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Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. 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:LEC0070Unique No:10540006Signed:Wes DavisReport Date:05 Jul 2023

LIEBHERR

CONSTRUCTION EQUIPMENT





GRAPHS

