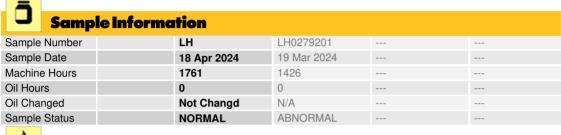
LIEBHERR

CONSTRUCTION EQUIPMENT

[(345484)] LIEBHERR R914 050032-1511 - Diesel Engine

Sample No: LH

Oil Type: SAE 5W30



Oil Condition							
Visc @ 100°C	cSt	11.8	O 11.9				
Oxidation (PA)	%	68	75				

Contamination					
Water	%	NEG	NEG		
Soot %	%	0	0.1		
Nitration (PA)	%	68	87		
Sulfation (PA)	%	54	57		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	<1.0		
Silicon	ppm	9	0 8		
Sodium	ppm	5	O 7		
Potassium	ppm	1	O 2		

()	_			
Wed	ar Metals			
Iron	ppm	15	O 42	
Copper	ppm	2	9	
Lead	ppm	0	O 0	
Tin	ppm	0	O 0	
Aluminum	ppm	5	7	
Chromium	ppm	2	o 5	
Molybdenum	ppm	59	O 52	
Nickel	ppm	0	O <1	
Titanium	ppm	0	O 0	
Silver	ppm	0	O 0	
Manganese	ppm	 <1	0	
Vanadium	ppm	0	0	

WII.					
Additives					
Calcium	ppm	856	O 997		
Magnesium	ppm	1126	O 1021		
Zinc	ppm	1181	O 1152		
Phosphorus	ppm	989	○ 893		
Barium	ppm	0	O 0		
Boron	ppm	41	O 14		



ROLAND MUNGER
2665 AVENUE DU LABRADOR
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Contact: Roland Munger

T: (661)015-6791 F:

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 condition of the oil is acceptable for the time in service.

Depot:ROLBAIUnique No:5774136Signed:Kevin MarsonReport Date:03 May 2024

Submitted By: Bruno Savard

LIEBHERR

CONSTRUCTION EQUIPMENT





Graphs

