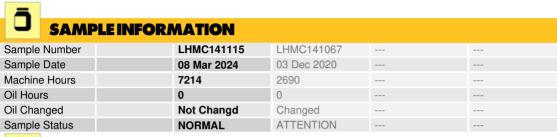
LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR L550 052956-1214 - Diesel Engine

Sample No: LHMC141115

Oil Type: LIEBHERR 10W30



OIL CONDITION						
Visc @ 100°C	cSt	11.4	O 11.5			
Base Number (BN)	mg KOH/g	9.9				
Oxidation (PA)	%	75	83			
a.L.						

CONTAMINATION					
Water	%	NEG	NEG		
Soot %	%	0.1	0.1		
Nitration (PA)	%	48	70		
Sulfation (PA)	%	57	62		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	0.9		
Silicon	ppm	11	10		
Sodium	ppm	2	4		
Potassium	ppm	0	0		

WEA	R METALS			
Iron	ppm	3	5	
Copper	ppm	12	O 89	
Lead	ppm	0 <1	O <1	
Tin	ppm	0	O <1	
Aluminum	ppm	0 <1	1	
Chromium	ppm	0	O <1	
Molybdenum	ppm	39	40	
Nickel	ppm	0	0	
Titanium	ppm	0	<1	
Silver	ppm	0	<1	
Manganese	ppm	0	O <1	
Vanadium	ppm	0	0	

ADDITIVES					
Calcium	ppm	1545	O 2060		
Magnesium	ppm	494	O 458		
Zinc	ppm	809	O 974		
Phosphorus	ppm	703	O 787		
Barium	ppm	0	O 0		
Boron	ppm	o 56	O 68		



KRD 200 S ELAM AVE VALLEY PARK, MO US 63088

Contact: Service Manager

T: (309)863-4831

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot:KRDVALUnique No:10923594Signed:Wes DavisReport Date:12 Mar 2024

LIEBHERR





GRAPHS

