

# 141510-1216 LIEBHERR LH50M 141510-1216 - Diesel Engine

Sample No: DJJ0021681

**Oil Type: DIESEL ENGINE OIL SAE 5W30** 

## SAMPLE INFORMATION

Sample Number	DJJ0021681	DJJ0017978	 
Sample Date	07 Dec 2023	09 Mar 2023	 
Machine Hours	3025	1432	 
Oil Hours	0	0	 
Oil Changed	Changed	Changed	 
Sample Status	NORMAL	NORMAL	 

### **OIL CONDITION** Visc @ 100°C cSt 0 11.3

Base Number (BN)	mg KOH/g	<b>6.2</b>	○ 7.5	 
Oxidation (PA)	%	104	101	 
11 A				

 $\bigcirc$  11.3

Water	%	NEG	NEG		
Soot %	%	0.1	0.1		
Nitration (PA)	%	93	89		
Sulfation (PA)	%	61	61		
Glycol	%	NEG	NEG		
Fuel	%	<1.0	<1.0		
Silicon	ppm	07	6		
Sodium	ppm	0	○ <1		
Potassium	ppm	<b>○</b> <1	0		

#### $\bigcirc$ WEAR METALS Iron ppm 05 $\bigcirc 5$ Copper 05 ppm $\bigcirc$ 22 Lead ◯ <1 $\bigcirc 0$ ppm Tin 0 ppm $\bigcirc 0$ Aluminum ○ <1 02 ppm Chromium ○ <1 $\bigcirc 0$ ppm Molybdenum 0 43 0 41 ppm Nickel 0 $\bigcirc 0$ ppm Titanium 0 🔘 $\bigcirc 0$ ppm Silver 0 0 ppm Manganese ppm 0 ○ <1 Vanadium

ADDITIVES					
Calcium	ppm	0 1318	0 1303		
Magnesium	ppm	<b>931</b>	0 869		
Zinc	ppm	0 850	841		
Phosphorus	ppm	689	0 615		
Barium	ppm	0	0		
Boron	ppm	<b>52</b>	○ 72		

0



**RIVER METALS RECYCLING - LOUISVILLE** PO BOX 6521 LOUISVILLE, KY US 40206 Contact: RYAN BOWDEN

T: F: (502)587-8699

### 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: RIVLOU Unique No: 10782986 Signed: Don Baldridge **Report Date:** 15 Dec 2023

Report Id: RIVLOU [WUSCAR] 06033195 (Generated: 03/07/2024 13:35:50) Rev: 1

0

ppm

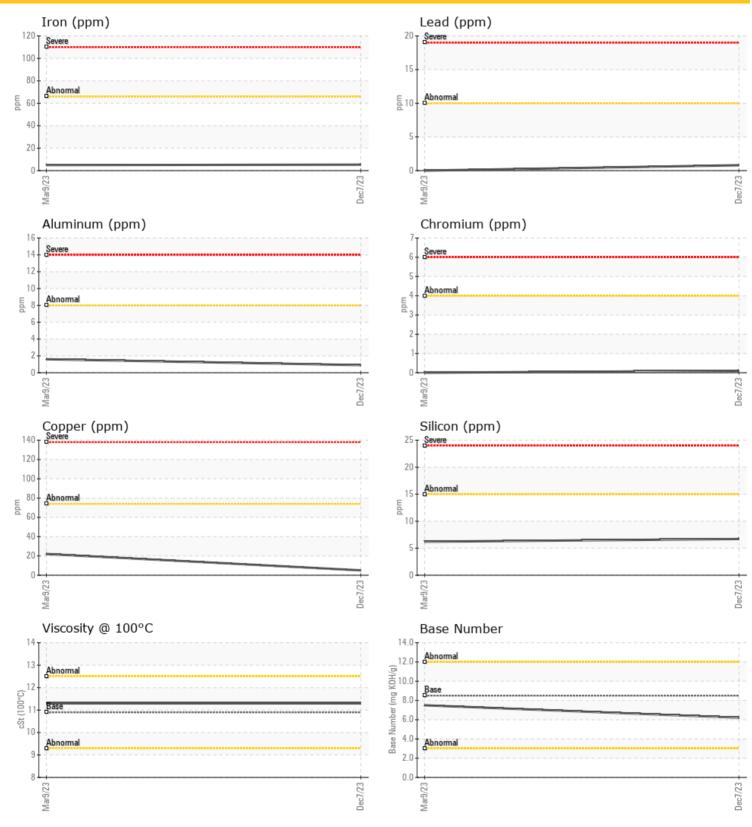
Contact/Location: RYAN BOWDEN - RIVLOU





GRAPHS

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Report Id: RIVLOU [WUSCAR] 06033195 (Generated: 03/07/2024 13:35:53) Rev: 1

Contact/Location: RYAN BOWDEN - RIVLOU