

LIEBHERR

CONSTRUCTION EQUIPMENT



141510-1216 LIEBHERR LH50M 141510-1216 - Diesel Engine

Sample No: DJJ0021681

Oil Type: DIESEL ENGINE OIL SAE 5W30



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.



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	11.3	11.3	---	---
Base Number (BN)	mg KOH/g	6.2	7.5	---	---
Oxidation (PA)	%	104	101	---	---



CONTAMINATION

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	7	6	---	---
Sodium	ppm	0	<1	---	---
Potassium	ppm	<1	0	---	---



WEAR METALS

Iron	ppm	5	5	---	---
Copper	ppm	5	22	---	---
Lead	ppm	<1	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	<1	2	---	---
Chromium	ppm	<1	0	---	---
Molybdenum	ppm	43	41	---	---
Nickel	ppm	0	0	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	0	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	1318	1303	---	---
Magnesium	ppm	931	869	---	---
Zinc	ppm	850	841	---	---
Phosphorus	ppm	689	615	---	---
Barium	ppm	0	0	---	---
Boron	ppm	52	72	---	---

Depot: RIVLOU
Unique No: 10782986
Signed: Don Baldrige
Report Date: 15 Dec 2023



GRAPHS

