

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [RMR-Louisville] LIEBHERR LH60M 114199-1217 - PARK - Brake

Sample No: LHMC118945

Oil Type: DIESEL ENGINE OIL SAE 15W40



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

T:  
F: (502)587-8699



### SAMPLE INFORMATION

Sample Number	LHMC118945	LHMC84753	---	---
Sample Date	18 Nov 2020	03 Apr 2020	---	---
Machine Hours	3111	1846	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	Changed	---	---
Sample Status	NORMAL	NORMAL	---	---



### OIL CONDITION

Visc @ 40°C	cSt	216	223	---	---
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### CONTAMINATION

Silicon	ppm	112	114	---	---
Sodium	ppm	150	151	---	---
Potassium	ppm	15	2	---	---



### WEAR METALS

Iron	ppm	28	24	---	---
Copper	ppm	<1	<1	---	---
Lead	ppm	0	0	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	45	44	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	<1	<1	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	1	1	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	<1	<1	---	---



### ADDITIVES

Calcium	ppm	355	342	---	---
Magnesium	ppm	8	9	---	---
Zinc	ppm	25	26	---	---
Phosphorus	ppm	1131	1196	---	---
Barium	ppm	295	312	---	---
Boron	ppm	2	2	---	---

### 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: RIVLOU  
Unique No: 9272916  
Signed: Jonathan Hester  
Report Date: 03 Dec 2020



### GRAPHS

