

LIEBHERR

CONSTRUCTION EQUIPMENT



[RMR-Louisville] LIEBHERR LH60M 114199-1217 - Diesel Engine

Sample No: LHMC107729

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



SAMPLE INFORMATION

Sample Number	LHMC107729	LHMC84891	---	---
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 @ 100°C	cSt	12.4	11.7	---	---
Oxidation (PA)	%	159	139	---	---



CONTAMINATION

Water	%	0.108	---	---	---
Soot %	%	0.2	0.1	---	---
Nitration (PA)	%	151	122	---	---
Sulfation (PA)	%	87	78	---	---
Glycol	%	NEG	NEG	---	---
Fuel	%	<1.0	<1.0	---	---
Silicon	ppm	9	10	---	---
Sodium	ppm	7	5	---	---
Potassium	ppm	16	11	---	---



WEAR METALS

Iron	ppm	17	18	---	---
Copper	ppm	11	28	---	---
Lead	ppm	0	2	---	---
Tin	ppm	0	0	---	---
Aluminum	ppm	6	3	---	---
Chromium	ppm	<1	<1	---	---
Molybdenum	ppm	58	48	---	---
Nickel	ppm	<1	<1	---	---
Titanium	ppm	<1	<1	---	---
Silver	ppm	<1	<1	---	---
Manganese	ppm	<1	<1	---	---
Vanadium	ppm	0	0	---	---



ADDITIVES

Calcium	ppm	954	1520	---	---
Magnesium	ppm	1172	994	---	---
Zinc	ppm	1266	1142	---	---
Phosphorus	ppm	1007	959	---	---
Barium	ppm	0	5	---	---
Boron	ppm	8	21	---	---

Depot: RIVLOU
Unique No: 9272897
Signed: Jonathan Hester
Report Date: 03 Dec 2020



GRAPHS

