

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 1216-123123 - Transmission

Sample No: LH0212743

Oil Type: DIESEL ENGINE OIL SAE 15W40



RIVER METALS RECYCLING - NEWPORT
P.O. BOX 72-220
NEWPORT, KY
US 41072
Contact: RYAN BOWDEN

T:
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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	LH0212743	LH0212729	LH0212709	---
Sample Date	06 Jun 2023	30 Sep 2022	22 Nov 2021	---
Machine Hours	3117	2179	1014	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	66.8	64.1	59.7	---
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CONTAMINATION

Silicon	ppm	6	5	4	---
Sodium	ppm	11	13	23	---
Potassium	ppm	1	0	4	---



WEAR METALS

Iron	ppm	24	24	15	---
Copper	ppm	67	64	39	---
Lead	ppm	0	<1	<1	---
Tin	ppm	2	2	<1	---
Aluminum	ppm	1	3	2	---
Chromium	ppm	0	<1	<1	---
Molybdenum	ppm	73	61	26	---
Nickel	ppm	0	0	0	---
Titanium	ppm	0	0	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	9	10	13	---
Vanadium	ppm	0	<1	<1	---



ADDITIVES

Calcium	ppm	2436	2660	3062	---
Magnesium	ppm	35	27	14	---
Zinc	ppm	1201	1170	1152	---
Phosphorus	ppm	1056	1044	1104	---
Barium	ppm	0	<1	<1	---
Boron	ppm	102	76	38	---

Depot: RIVNEW
Unique No: 10536758
Signed: Doug Bogart
Report Date: 02 Jul 2023



GRAPHS

