

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 138442 - Transmission (Manual)

Sample No: LH0274621

Oil Type: NOT GIVEN



CMI - COMBINED METAL INDUSTRIES
 505 GARY RAY DRIVE
 NORTH YORK, ON
 CA M9L 1P9
 Contact: Greg Sacher
 gsacher@combinedmetal.com
 T: (416)642-7262
 F:



SAMPLE INFORMATION

Sample Number	LH0274621	LH0242533	LH0195620	---
Sample Date	20 Aug 2023	14 Oct 2022	03 Aug 2022	---
Machine Hours	4196	1200	492	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



OIL CONDITION

Visc @ 40°C	cSt	60.2	57.9	52.7	---
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CONTAMINATION

Silicon	ppm	4	3	3	---
Sodium	ppm	7	51	83	---
Potassium	ppm	<1	3	4	---



WEAR METALS

Iron	ppm	12	11	12	---
Copper	ppm	18	23	28	---
Lead	ppm	<1	<1	1	---
Tin	ppm	1	<1	1	---
Aluminum	ppm	8	12	14	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	58	27	<1	---
Nickel	ppm	0	0	<1	---
Titanium	ppm	0	<1	<1	---
Silver	ppm	0	0	0	---
Manganese	ppm	5	11	14	---
Vanadium	ppm	0	<1	<1	---



ADDITIVES

Calcium	ppm	1055	2352	3385	---
Magnesium	ppm	981	414	8	---
Zinc	ppm	1164	1153	1113	---
Phosphorus	ppm	1153	1132	1034	---
Barium	ppm	0	<1	<1	---
Boron	ppm	29	4	5	---

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. All component wear rates are normal. There is no indication of any contamination in the fluid. The condition of the fluid is acceptable for the time in service.

Depot: COMWES
 Unique No: 5630310
 Signed: Kevin Marson
 Report Date: 22 Aug 2023



GRAPHS

