

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 138442 - Transmission (Manual)

Sample No: LH0286757

Oil Type: SAE 10W30



CMI - COMBINED METAL INDUSTRIES
 505 GARY RAY DRIVE
 NORTH YORK, ON
 CA M9L 1P9
 Contact: Greg Sacher
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SAMPLE INFORMATION

Sample Number	LH0286757	LH0278797	LH0274621	LH0242533
Sample Date	01 Apr 2024	21 Jan 2024	20 Aug 2023	14 Oct 2022
Machine Hours	6995	6157	4196	1200
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	61.5	60.8	60.2	57.9
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	4	4	3
Sodium	ppm	2	3	7	51
Potassium	ppm	<1	1	<1	3



WEAR METALS

Iron	ppm	11	10	12	11
Copper	ppm	11	10	18	23
Lead	ppm	0	<1	<1	<1
Tin	ppm	<1	<1	1	<1
Aluminum	ppm	6	6	8	12
Chromium	ppm	0	0	0	0
Molybdenum	ppm	59	59	58	27
Nickel	ppm	0	<1	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	0
Manganese	ppm	4	4	5	11
Vanadium	ppm	0	0	0	<1



ADDITIVES

Calcium	ppm	1130	1167	1055	2352
Magnesium	ppm	990	959	981	414
Zinc	ppm	1198	1197	1164	1153
Phosphorus	ppm	1052	1083	1153	1132
Barium	ppm	0	0	0	<1
Boron	ppm	6	10	29	4

Diagnosis

Resample at the next service interval to monitor. 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: 5759294
 Signed: Wes Davis
 Report Date: 02 Apr 2024



GRAPHS

