

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 137429 - Transmission (Auto)

Sample No: LH0274501

Oil Type: SAE 10W30



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

Sample Number	LH0274501	LH0251874	LH0247247	LH0195589
Sample Date	20 Aug 2023	23 Feb 2023	02 Dec 2022	24 Aug 2022
Machine Hours	6359	4360	3290	2058
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	65.4	61.7	61.5	65.4
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CONTAMINATION

Silicon	ppm	3	4	3	3
Sodium	ppm	2	5	8	13
Potassium	ppm	0	<1	<1	21



WEAR METALS

Iron	ppm	6	7	7	6
Copper	ppm	7	8	12	15
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	1	1	1	2
Chromium	ppm	0	0	0	0
Molybdenum	ppm	60	56	52	39
Nickel	ppm	0	0	0	0
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	4	6	6	6
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1138	1340	1497	1634
Magnesium	ppm	980	902	830	625
Zinc	ppm	1198	1203	1200	1086
Phosphorus	ppm	1147	1165	1158	968
Barium	ppm	0	0	0	0
Boron	ppm	5	7	3	5

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: 5630284
 Signed: Wes Davis
 Report Date: 21 Aug 2023



GRAPHS

