

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 137429 - Transmission (Auto)

Sample No: LH0284890
 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	LH0284890	LH0274501	LH0251874	LH0247247
Sample Date	01 Feb 2024	20 Aug 2023	23 Feb 2023	02 Dec 2022
Machine Hours	8133	6359	4360	3290
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	57.4	65.4	61.7	61.5
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CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	3	4	3
Sodium	ppm	2	2	5	8
Potassium	ppm	<1	0	<1	<1



WEAR METALS

Iron	ppm	8	6	7	7
Copper	ppm	7	7	8	12
Lead	ppm	<1	<1	<1	<1
Tin	ppm	<1	<1	<1	<1
Aluminum	ppm	2	1	1	1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	60	60	56	52
Nickel	ppm	<1	0	0	0
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	5	4	6	6
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	1191	1138	1340	1497
Magnesium	ppm	989	980	902	830
Zinc	ppm	1217	1198	1203	1200
Phosphorus	ppm	1119	1147	1165	1158
Barium	ppm	0	0	0	0
Boron	ppm	5	5	7	3

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: 5733417
 Signed: Wes Davis
 Report Date: 16 Feb 2024



GRAPHS

