

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 132404-1216 - Transmission (Manual)

Sample No: LH0223400

Oil Type: SHELL ROTELLA T6 0W40



HUBERT & FILS

474 ROUTE 105
BOIS-FRANC, QC
CA J9E 3A9

Contact: Eric Brisebois
ericbrisebois99@gmail.com

T:
F:



Sample Information

Sample Number	LH0223400	LH	LH0283326	---
Sample Date	07 May 2024	26 Apr 2024	29 Mar 2024	---
Machine Hours	14071	13458	1174	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	NORMAL	NORMAL	NORMAL	---



Oil Condition

Visc @ 40°C	cSt	51.6	48.5	79.5	---
-------------	-----	------	------	------	-----



Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	4	4	4	---
Sodium	ppm	2	2	2	---
Potassium	ppm	7	8	8	---



Wear Metals

Iron	ppm	22	24	2	---
Copper	ppm	17	18	6	---
Lead	ppm	0	0	0	---
Tin	ppm	<1	<1	0	---
Aluminum	ppm	1	1	<1	---
Chromium	ppm	0	0	0	---
Molybdenum	ppm	2	1	3	---
Nickel	ppm	<1	0	0	---
Titanium	ppm	<1	<1	<1	---
Silver	ppm	<1	0	0	---
Manganese	ppm	2	3	0	---
Vanadium	ppm	0	0	0	---



Additives

Calcium	ppm	1959	2012	2026	---
Magnesium	ppm	9	12	24	---
Zinc	ppm	1079	1075	1100	---
Phosphorus	ppm	1029	1054	941	---
Barium	ppm	0	0	<1	---
Boron	ppm	42	48	37	---

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 fluid viscosity is lower than typical, possibly indicating the addition of lighter grade fluid. The condition of the fluid is acceptable for the time in service.

Depot: HUBBOI
Unique No: 5814272
Signed: Kevin Marson
Report Date: 19 Jul 2024



Graphs

