

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50M 118290-1216 - Transmission (Manual)

Sample No: LH0158912

Oil Type: MOBIL 1 FS 0W40



**Weyerhaeuser**  
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#### Sample Information

Sample Number	LH0158912	LH0158898	LH0158884	LH0158870
Sample Date	09 Oct 2021	05 Aug 2021	09 Jun 2021	07 Apr 2021
Machine Hours	9990	9041	8025	6995
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### Oil Condition

Visc @ 40°C	cSt	45.4	46.0	46.1	46.6
		●	●	●	●



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 3	● 5	● 4	● 4
Sodium	ppm	● 3	● 3	● 4	● 4
Potassium	ppm	● 1	● 1	● <1	● <1



#### Wear Metals

Iron	ppm	● 25	● 27	● 24	● 22
Copper	ppm	● 27	● 22	● 14	● 13
Lead	ppm	● <1	● <1	● <1	● <1
Tin	ppm	● <1	● <1	● <1	● <1
Aluminum	ppm	● 3	● 2	● 3	● 3
Chromium	ppm	● <1	● <1	● <1	● <1
Molybdenum	ppm	● <1	● <1	● <1	● <1
Nickel	ppm	● <1	● <1	● <1	● <1
Titanium	ppm	0	0	0	<1
Silver	ppm	● <1	● <1	● <1	● <1
Manganese	ppm	● 2	● 3	3	3
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	● 2192	● 2253	● 2229	● 2292
Magnesium	ppm	● 11	● 11	● 9	● 8
Zinc	ppm	● 1124	● 1133	● 1134	● 1156
Phosphorus	ppm	● 1041	● 1068	● 1008	● 996
Barium	ppm	● 0	● 0	● <1	● <1
Boron	ppm	● 3	● 2	● 1	● 2

#### 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:** WEY100KEN  
**Unique No:** 5302506  
**Signed:** Wes Davis  
**Report Date:** 19 Oct 2021



### Graphs

