

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 1216-123739 - Transmission

Sample No: LH0211714

Oil Type: MOBIL DELVAC 1 5W40



**AHLSTROM-MUNKSJO NA SPECIALTY**  
 PO BOX 600  
 KAUKAUNA, WI  
 US 54130  
 Contact: JOE SEITZ  
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 T:  
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#### Sample Information

Sample Number	LH0211714	LH0211686	LH0211658	LH0211644
Sample Date	17 Jun 2024	31 Jan 2024	09 Aug 2023	28 Mar 2023
Machine Hours	12322	10743	8617	7200
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### Oil Condition

Visc @ 40°C	cSt	48.8	49.4	49.5	51.3



#### Contamination

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



#### Wear Metals

Iron	ppm	20	18	21	12
Copper	ppm	8	10	14	10
Lead	ppm	0	0	0	0
Tin	ppm	0	<1	<1	<1
Aluminum	ppm	3	2	4	2
Chromium	ppm	0	0	<1	<1
Molybdenum	ppm	46	44	47	44
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	4	5	7	5
Vanadium	ppm	0	0	0	0



#### Additives

Calcium	ppm	1069	961	1049	996
Magnesium	ppm	959	843	853	838
Zinc	ppm	1304	1224	1215	1166
Phosphorus	ppm	1160	1108	1094	979
Barium	ppm	0	0	0	0
Boron	ppm	151	182	161	151

#### 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: AHLKAU  
 Unique No: 11097182  
 Signed: Wes Davis  
 Report Date: 25 Jun 2024



### Graphs

