

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 1216-123739 - Transmission

Sample No: LH0211686

Oil Type: MOBIL DELVAC 1 5W40



**AHLSTROM-MUNKSJO NA SPECIALTY**  
 PO BOX 600  
 KAUKAUNA, WI  
 US 54130  
 Contact: JOE SEITZ  
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#### SAMPLE INFORMATION

Sample Number	LH0211686	LH0211658	LH0211644	LH0211630
Sample Date	31 Jan 2024	09 Aug 2023	28 Mar 2023	18 Jan 2023
Machine Hours	10743	8617	7200	6180
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	49.4	49.5	51.3	51.1



#### CONTAMINATION

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



#### WEAR METALS

Iron	ppm	18	21	12	12
Copper	ppm	10	14	10	15
Lead	ppm	0	0	0	0
Tin	ppm	<1	<1	<1	1
Aluminum	ppm	2	4	2	3
Chromium	ppm	0	<1	<1	<1
Molybdenum	ppm	44	47	44	43
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	5	7	5	4
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Calcium	ppm	961	1049	996	1005
Magnesium	ppm	843	853	838	825
Zinc	ppm	1224	1215	1166	1209
Phosphorus	ppm	1108	1094	979	1027
Barium	ppm	0	0	0	2
Boron	ppm	182	161	151	137

#### Diagnosis

Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: AHLKAU  
 Unique No: 10871853  
 Signed: Sean Felton  
 Report Date: 12 Feb 2024



### GRAPHS

