

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH50 1216-123739 - Rear Right Wheel Hub

Sample No: LH0211690

Oil Type: GEAR OIL SAE 75W90



**AHLSTROM-MUNKSJO NA SPECIALTY**  
 PO BOX 600  
 KAUKAUNA, WI  
 US 54130  
 Contact: JOE SEITZ  
 joe.seitz@ahlstrom-munksjo.com  
 T:  
 F:



#### SAMPLE INFORMATION

Sample Number	LH0211690	LH0211662	LH0211648	LH0211634
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	Not Changd	N/A	Not Changd	Not Changd
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	99.7	147	147	144



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	6	24	24	17
Sodium	ppm	3	6	8	9
Potassium	ppm	0	1	1	1



#### WEAR METALS

Iron	ppm	39	198	168	177
Copper	ppm	52	179	152	90
Lead	ppm	0	2	<1	1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	6	5	4
Chromium	ppm	0	2	2	1
Molybdenum	ppm	0	2	2	2
Nickel	ppm	0	<1	<1	<1
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	2	8	7	5
Vanadium	ppm	0	0	<1	0



#### ADDITIVES

Calcium	ppm	33	229	197	190
Magnesium	ppm	<1	3	5	2
Zinc	ppm	48	137	137	97
Phosphorus	ppm	2136	2067	2241	1837
Barium	ppm	0	0	1	3
Boron	ppm	307	5	7	14

#### 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: 10871834  
 Signed: Wes Davis  
 Report Date: 09 Feb 2024



### GRAPHS

