

# LIEBHERR

## CONSTRUCTION EQUIPMENT



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

Sample No: LH0211660

Oil Type: GEAR OIL SAE 75W90



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

Sample Number	LH0211660	LH0211646	LH0211632	LH0211618
Sample Date	09 Aug 2023	28 Mar 2023	18 Jan 2023	01 Nov 2022
Machine Hours	8617	7200	6180	5127
Oil Hours	0	0	0	0
Oil Changed	Not Changd	Not Changd	Not Changd	Not Changd
Sample Status	ABNORMAL	ABNORMAL	NORMAL	NORMAL



#### OIL CONDITION

Visc @ 40°C	cSt	135	134	138	143
		●	●	●	●



#### CONTAMINATION

Element	ppm	16	20	15	15
Silicon	ppm	●	●	●	●
Sodium	ppm	●	●	●	●
Potassium	ppm	●	●	●	●



#### WEAR METALS

Element	ppm	395	421	249	301
Iron	ppm	●	●	●	●
Copper	ppm	●	●	●	●
Lead	ppm	●	●	●	●
Tin	ppm	●	●	●	●
Aluminum	ppm	●	●	●	●
Chromium	ppm	●	●	●	●
Molybdenum	ppm	●	●	●	●
Nickel	ppm	●	●	●	●
Titanium	ppm	0	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	●	●	●	●
Vanadium	ppm	0	0	0	0



#### ADDITIVES

Element	ppm	227	232	213	263
Calcium	ppm	●	●	●	●
Magnesium	ppm	●	●	●	●
Zinc	ppm	●	●	●	●
Phosphorus	ppm	●	●	●	●
Barium	ppm	●	●	●	●
Boron	ppm	●	●	●	●

#### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. Gear wear is indicated. All other 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: 10604514  
 Signed: Sean Felton  
 Report Date: 16 Aug 2023



### GRAPHS

