

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-123739 - Rear Left Wheel Hub

Sample No: LH0211661

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	LH0211661	LH0211647	LH0211633	LH0211619
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	ABNORMAL	ABNORMAL



OIL CONDITION

Visc @ 40°C	cSt	144	147	148	148



CONTAMINATION

Element	ppm	24	24	20	18
Silicon	ppm	24	24	20	18
Sodium	ppm	7	8	8	7
Potassium	ppm	2	<1	<1	1



WEAR METALS

Element	ppm	327	184	123	105
Iron	ppm	327	184	123	105
Copper	ppm	146	143	148	137
Lead	ppm	1	0	2	1
Tin	ppm	0	0	<1	<1
Aluminum	ppm	5	4	4	4
Chromium	ppm	2	1	1	<1
Molybdenum	ppm	2	2	2	2
Nickel	ppm	<1	<1	<1	<1
Titanium	ppm	<1	<1	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	8	7	6	5
Vanadium	ppm	0	0	<1	0



ADDITIVES

Element	ppm	194	189	187	202
Calcium	ppm	194	189	187	202
Magnesium	ppm	3	4	2	2
Zinc	ppm	121	120	112	106
Phosphorus	ppm	2063	2021	2007	2160
Barium	ppm	0	<1	4	0
Boron	ppm	6	8	6	7

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. The iron level is abnormal. Gear wear is indicated. 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: 10604519
 Signed: Sean Felton
 Report Date: 16 Aug 2023



GRAPHS

