

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-123739 - Rear Right Wheel Hub

Sample No: LH0211718

Oil Type: GEAR OIL SAE 75W90



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

Sample Number	LH0211718	LH0211690	LH0211662	LH0211648
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	Not Changd	Not Changd	N/A	Not Changd
Sample Status	ABNORMAL	NORMAL	ABNORMAL	ABNORMAL



Oil Condition

Visc @ 40°C	cSt	96.4	99.7	147	147



Contamination

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	8	6	24	24
Sodium	ppm	4	3	6	8
Potassium	ppm	1	0	1	1



Wear Metals

Iron	ppm	65	39	198	168
Copper	ppm	88	52	179	152
Lead	ppm	0	0	2	<1
Tin	ppm	0	0	0	0
Aluminum	ppm	3	<1	6	5
Chromium	ppm	<1	0	2	2
Molybdenum	ppm	0	0	2	2
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	4	2	8	7
Vanadium	ppm	0	0	0	<1



Additives

Calcium	ppm	39	33	229	197
Magnesium	ppm	<1	<1	3	5
Zinc	ppm	82	48	137	137
Phosphorus	ppm	2372	2136	2067	2241
Barium	ppm	0	0	0	1
Boron	ppm	243	307	5	7

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. 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: 11097168
Signed: Don Baldrige
Report Date: 26 Jun 2024



Graphs

