

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50M 1216-109092 - Rear Right Wheel Hub

Sample No: LHMC149918

Oil Type: GEAR OIL SAE 75W90



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

Sample Number	LHMC149918	LHMC149677	LHMC149911	LHMC162615
Sample Date	15 May 2024	13 Apr 2023	11 Oct 2022	08 Oct 2019
Machine Hours	16447	14565	12880	2525
Oil Hours	0	522	10355	1355
Oil Changed	Not Chngd	Changed	N/A	Changed
Sample Status	NORMAL	NORMAL	NORMAL	ABNORMAL



Oil Condition

Visc @ 40°C	cSt	92.1	92.4	91.2	104



Contamination

Water	%	NEG	NEG	NEG	0.180
Silicon	ppm	6	3	3	5
Sodium	ppm	3	3	3	2
Potassium	ppm	2	0	<1	1



Wear Metals

Iron	ppm	130	91	93	31
Copper	ppm	63	44	47	28
Lead	ppm	1	0	<1	<1
Tin	ppm	1	0	0	0
Aluminum	ppm	2	1	2	1
Chromium	ppm	2	0	<1	<1
Molybdenum	ppm	<1	0	0	<1
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	<1	0	0	0
Silver	ppm	<1	0	0	0
Manganese	ppm	3	2	2	2
Vanadium	ppm	<1	0	0	0



Additives

Calcium	ppm	108	26	32	24
Magnesium	ppm	1	0	<1	0
Zinc	ppm	70	16	41	24
Phosphorus	ppm	2325	2032	2205	2003
Barium	ppm	0	0	0	<1
Boron	ppm	352	302	297	234

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: 11043699
 Signed: Don Baldrige
 Report Date: 23 May 2024



Graphs

