

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-130389 - Rear Right Wheel Hub

Sample No: LH0217924

Oil Type: GEAR OIL SAE 80W90



AMERICAN STATE EQUIPMENT CO.
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SAMPLE INFORMATION

Sample Number	LH0217924	LH0217912	LH0217900	LH0200597
Sample Date	19 Mar 2024	14 Jun 2023	18 Aug 2022	10 Feb 2022
Machine Hours	3007	1990	997	4749
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL



OIL CONDITION

Visc @ 40°C	cSt	122	143	142	157



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	2	2	3	14
Sodium	ppm	3	5	2	3
Potassium	ppm	3	3	<1	2



WEAR METALS

Iron	ppm	28	61	21	40
Copper	ppm	10	8	9	14
Lead	ppm	0	0	<1	<1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	2	<1	1
Chromium	ppm	<1	0	0	<1
Molybdenum	ppm	0	0	1	6
Nickel	ppm	<1	0	<1	<1
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	1	1	<1	2
Vanadium	ppm	0	0	0	0



ADDITIVES

Calcium	ppm	38	24	69	260
Magnesium	ppm	10	3	3	2
Zinc	ppm	23	24	22	65
Phosphorus	ppm	800	626	928	1832
Barium	ppm	0	5	0	0
Boron	ppm	<1	4	5	6

Diagnosis

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

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: LEC0008
 Unique No: 10955343
 Signed: Wes Davis
 Report Date: 02 Apr 2024



GRAPHS

