

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH50 1216-130389 - Rear Left Wheel Hub

Sample No: LH0217923

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0217923	LH0217911	LH0217899	LH0200592
Sample Date	19 Mar 2024	14 Jun 2023	18 Aug 2022	10 Feb 2022
Machine Hours	3007	1990	997	488
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Changed	N/A
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

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OIL CONDITION

Visc @ 40°C	cSt	123	144	142	158
		●	●	●	●



CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 2	● 10	● 4	● 15
Sodium	ppm	● 3	● 10	● 3	● 3
Potassium	ppm	● 1	● 4	● 0	● 2



WEAR METALS

Iron	ppm	● 38	● 151	● 25	● 45
Copper	ppm	● 11	● 17	● 9	● 14
Lead	ppm	● 0	● 0	● 0	● <1
Tin	ppm	● <1	● 0	● 0	● <1
Aluminum	ppm	● <1	● 4	● <1	● 1
Chromium	ppm	● <1	● 0	● 0	● <1
Molybdenum	ppm	● <1	● 0	● 1	● 6
Nickel	ppm	● 0	● 0	● 0	● <1
Titanium	ppm	<1	0	0	<1
Silver	ppm	0	0	<1	0
Manganese	ppm	● 1	● 2	● <1	● 2
Vanadium	ppm	<1	0	0	0



ADDITIVES

Calcium	ppm	● 90	● 40	● 77	● 260
Magnesium	ppm	● 5	● 3	● 4	● 2
Zinc	ppm	● 42	● 31	● 25	● 66
Phosphorus	ppm	● 710	● 686	● 953	● 1837
Barium	ppm	● 0	● 4	● 0	● 0
Boron	ppm	● 3	● 0	● 4	● 6

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.

Diagnosis

Depot: LEC0008
 Unique No: 10956451
 Signed: Wes Davis
 Report Date: 03 Apr 2024



GRAPHS

