

LIEBHERR LH50 1216-116574 - Front Left Wheel Hub

Sample No: LH0272153

Oil Type: GEAR OIL SAE 80W90

SAMPLE INFORMATION

Sample Number	LH0272153	LH0171137	LH0171123	LH0171109		
Sample Date	20 Dec 2023	29 Aug 2023	27 Apr 2023	27 Jan 2023		
Machine Hours	19776	17910	16762	14930		
Oil Hours	0	0	0	0		
Oil Changed	Changed	Changed	Changed	Changed		
Sample Status	NORMAL	ABNORMAL	ABNORMAL	ABNORMAL		
Visc @ 40°C cSt	0 129	143	0 163	156		

Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	0 11	0 16	21	8	
Sodium	ppm	03	8	6	2	
Potassium	ppm	0	01	03	◯ <1	

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WEA	R METALS				
Iron	ppm	288	596	608	5 08
Copper	ppm	28	0 43	36	31
Lead	ppm	0	0	0	○ <1
Tin	ppm	○ <1	0	0	0
Aluminum	ppm	3	6	07	2
Chromium	ppm	2	3	3	2
Molybdenum	ppm	2	01	○ <1	<1
Nickel	ppm	○ <1	○ <1	○ <1	01
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	04	9	8	6
Vanadium	ppm	<1	<1	0	0

ADDITIVES

Calcium	ppm	0 78	25	0 14	13
Magnesium	ppm	0 14	02	04	2
Zinc	ppm	66	56	54	53
Phosphorus	ppm	0 845	0 1367	2041	1488
Barium	ppm	○ <1	0	0	0
Boron	ppm	30	37	81	126





BOISE WHITE PAPER

3RD AVE AND HWY 11, 400 2ND ST INTERNATIONAL FALLS, MN US 56649 Contact: GARY MANN garymann@packagingcorp.com T: F: (218)285-5860

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.

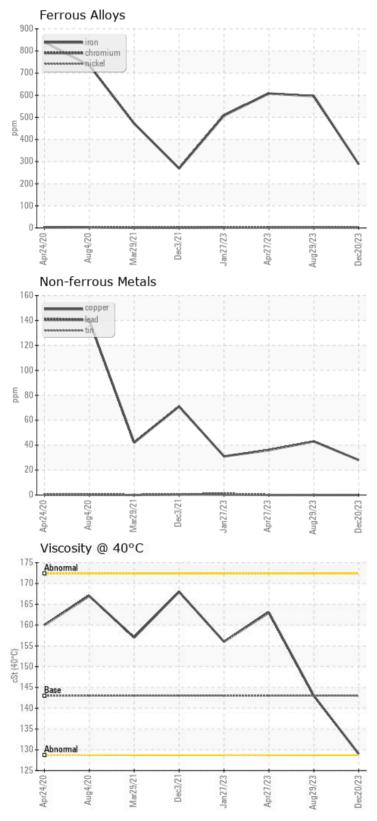
All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot:BOIINTUnique No:1084459Signed:Wes DaReport Date:23 Jan 2





GRAPHS



Report Id: BOIINT [WUSCAR] 06067922 (Generated: 01/23/2024 15:40:20) Rev: 1