LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH50 1216-121548 - Rear Left Wheel Hub

Sample No: LH0267188

Oil Type: GEAR OIL SAE 80W90

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U Sam	ple Infor	mation			
Sample Number		LH0267188	LH0243393	LH0263858	LH0236122
Sample Date		25 Apr 2024	05 Oct 2023	18 Jul 2023	20 Jan 2023
Machine Hours		4279	2969	2422	1172
Oil Hours		0	0	0	0
Oil Changed		Changed	Changed	Changed	Changed
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL
Oil Co	ondition				
Visc @ 40°C	cSt	120	O 122	O 129	O 131
	aminatio				
Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	3	O <1	O 2	O 4
Sodium	ppm	0 0	O 2	4	O <1
Potassium	ppm	2	O 0	O 0	O 2
	r Metals			0.00	0.00
Iron	ppm	O 16	0 8	O 22	O 26
Copper Lead	ppm	○ 3 ○ 1	00	○ 7 ○ 0	○ 7 ○ 0
Tin	ppm	O <1	0 0	0 0	0 0
Aluminum	ppm	○ <1	00	0 <1	0 0
Chromium	ppm	0<1	0 0	00	0 <1
Molybdenum	ppm	01	0 0	0 <1	<1
Nickel	ppm	0 <1	00	0 0	0
Titanium	ppm	<1	<1	0	0
Silver	ppm	0	0	0	0
Manganese	ppm	○ <1	0	O <1	<1
Vanadium	ppm	<1	0	0	0
Addi Calcium	itives	Q 47	○ 43		61
Calolalli	PPIII	—	0 10	000	0 1

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0 11

866

0

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0 842

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AMERICAN STATE EQUIPMENT CO.

2400 NORTH 14TH AVENUE WAUSAU, WI
US 54401
Contact: CHRIS BARTNIK
cbartnik@amstate.com

T: (715)675-6900 F: (715)675-9748

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:LEC0008Unique No:11019230Signed:Wes DavisReport Date:10 May 2024

4

19

823

0

() <1

ppm

ppm

ppm

ppm

ppm

Magnesium

Phosphorus

Zinc

Barium

Boron

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Graphs





