CONSTRUCTION EQUIPMENT

LIEBHERR LH50M 1216-108671 - Rear Differential

Sample No: LH0268400

Oil Type: GEAR OIL LS 80W90

Sample Information

Sample Number	LH0268400	LH0258752	LH0263994	LH0243415				
Sample Date	14 Jun 2024	23 Feb 2024	14 Dec 2023	05 Sep 2023				
Machine Hours	21235	20036	19125	17864				
Oil Hours	0	0	0	0				
Oil Changed	Changed	Changed	Changed	Changed				
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL				
Oil Condition								
Visc@40°C cSt	120	0 119	122	0 126				

Cor	ntaminati	ion			
Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	○ <1	○ <1	◯ <1	01
Sodium	ppm	01	2	0 1	01
Potassium	ppm	01	○ <1	0	01

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Wea Wea	r Metals				
Iron	ppm	04	03	0 4	8
Copper	ppm	02	0 1	◯ <1	3
Lead	ppm	0 🔘	0	0	0
Tin	ppm	0 🔘	○ <1	0	0
Aluminum	ppm	○ <1	○ <1	0	2
Chromium	ppm	0 🔘	0	0	0
Molybdenum	ppm	0 🔘	0	0	0
Nickel	ppm	0 🔘	○ <1	0	0
Titanium	ppm	0	0	<1	1
Silver	ppm	0	0	0	0
Manganese	ppm	 <1	◯ <1	◯ <1	○ <1
Vanadium	ppm	0	0	0	<1

0 **Additives** Calcium ppm 0 22 38 0 43 56 Magnesium 03 06 6 ppm 0 15 0 20 0 32 Zinc 0 19 0 18 ppm Phosphorus 0 855 0 862 0 693 ppm 0 997 Barium 0 () 0 ppm 0 0 0 15 Boron ppm 0 1 $\bigcirc 4$





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.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:
 11097179

 Signed:
 Don Baldridge

 Report Date:
 26 Jun 2024

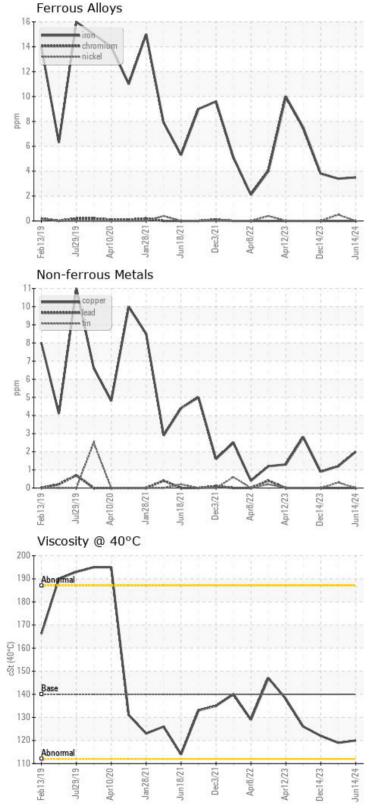
 Contact/Location: CHRIS BARTNIK - LEC0008







Graphs



Report Id: LEC0008 [WUSCAR] 06218982 (Generated: 06/29/2024 19:59:01) Rev: 1