

LIEBHERR LH60M 1204-74217 - Rear Differential

Sample No: LH0268895

Oil Type: LIEBHERR GEAR BASIC 90 LS

Sample Information

Sample Number		LH0268895	LH0235995	LHMC121041	LHMC106117
Sample Date		09 Apr 2024	26 Aug 2022	10 Aug 2017	24 May 2016
Machine Hours		14693	0	8752	4556
Oil Hours		1000	0	0	0
Oil Changed		Changed	N/A	Changed	Changed
Sample Status		NORMAL	ABNORMAL	NORMAL	ABNORMAL
Oil Co	ndition				
Visc @ 40°C	cSt	0 127	149	0 189.1	180.8
- 1					

Con	Contamination						
Water	%	NEG	NEG	NEG	NEG		
Silicon	ppm	01	○ <1	0 4	○ 5		
Sodium	ppm	○ <1	0	2	02		
Potassium	ppm	0	○ <1	2	02		

Ä					
Wee Wee	ar Metals	5			
Iron	ppm	04	08	0 137	0 126
Copper	ppm	0 2	0 4	0 36	0 32
Lead	ppm	0	0	0	01
Tin	ppm	<mark></mark> <1	0	◯ <1	0
Aluminum	ppm	0	◯ <1	0 1	01
Chromium	ppm	○ <1	0	2	2
Molybdenum	ppm	0	◯ <1	0	0
Nickel	ppm	0 🔘	0	<1	1
Titanium	ppm	0	0	<1	<1
Silver	ppm	0	0	0	0
Manganese	ppm	○ <1	◯ <1	2	2
Vanadium	ppm	0	0	0	0

٥ **Additives** Calcium ppm 0 30 0 11 14 6 Magnesium ○ <1 6 3 ppm 02 24 Zinc 011 22 ppm Phosphorus 0735 961 ppm 0 727 1070 Barium 0 $\bigcirc 0$ 235 336 ppm Boron 0 51 014 26 2 ppm





MIDDLE RIVER MARINE

1771 SOUTH TORRENCE AVE CHICAGO, IL US 60617 Contact: Scott Molitor scottmolitor@gomiddleriver.com T: F:

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the component. The condition of the oil is acceptable for the time in service.

Depot:MIDCHIILUnique No:11004464Signed:Sean FeltonReport Date:01 May 2024Contact/Location: Scott Molitor - MIDCHIIL







Graphs

Ferrous Alloys 140m chromium 120 nickel 100 80 ppm 60 40 20 0-Aug26/22 Apr9/24 Aug10/17 Mav/24/1 Non-ferrous Metals 40 copper 35 lead 30 25 떠 20 15 10 5 0. Aug26/22 Apr9/24 Aug10/17 May24/1 Viscosity @ 40°C 220 Abnormal 210 200 190 (180 (40°C) 170 160 Ba 150 140 Abnormal 130 120 Apr9/24. Aug10/17 Aug26/22 May24/1

Report Id: MIDCHIIL [WUSCAR] 06163745 (Generated: 05/03/2024 21:52:35) Rev: 1