# **CONSTRUCTION EQUIPMENT**

### LIEBHERR A934C 061188-1419 - Rear Differential

Sample No: LH0272394

Oil Type: GEAR OIL SAE 80W90

## **SAMPLE INFORMATION**

Sample Number	LH0272394	LH0253879	LH0236050	LH0220530
Sample Date	30 Jan 2024	21 Sep 2023	23 Nov 2022	27 Sep 2022
Machine Hours	28124	27222	25468	0
Oil Hours	0	0	1000	1000
Oil Changed	Changed	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL
OIL CONDITIO	N			
Visc @ 40°C cSt	0 127	0 153	0 153	0 156

	NTAMIN/	ATION				
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	0	○ <1	○ <1	2	
Sodium	ppm	0 2	0 1	2	01	
Potassium	ppm	0	03	0	0	

Ä					
WEA	R METALS				
Iron	ppm	0 9	O 5	07	0 10
Copper	ppm	<b>3</b>	○ <1	01	02
Lead	ppm	0	0	0	0
Tin	ppm	<b>○</b> <1	○ <1	0	0
Aluminum	ppm	0	0	○ <1	○ <1
Chromium	ppm	0	0	0	0
Molybdenum	ppm	0	0	01	2
Nickel	ppm	0	○ <1	0	0
Titanium	ppm	0	<1	0	0
Silver	ppm	0	<1	0	0
Manganese	ppm	0	<1	○ <1	○ <1
Vanadium	ppm	0	0	0	0



	TIVES				
Calcium	ppm	0	28	22	28
Magnesium	ppm	0	10	6	<b>5</b>
Zinc	ppm	0	19	6	0 19
Phosphorus	ppm	0 832	1301	0 1004	0 1180
Barium	ppm	0	0	0	0
Boron	ppm	04	9	0 11	4





#### NORTHERN METAL RECYCLING

2800 PACIFIC ST N MINNEAPOLIS, MN US 55411 Contact: CHRIS GILMER chris.gilmer@emrgroup.com T: (612)305-7338 F:

#### 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:	NORMINLH
Unique No:	10924335
Signed:	Wes Davis
Report Date:	12 Mar 2024

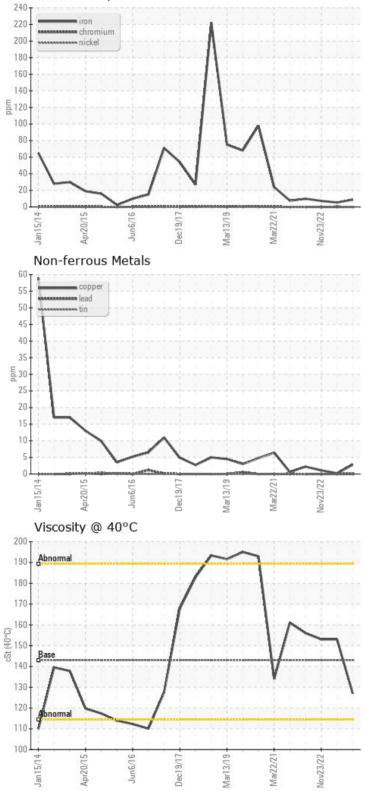




# GRAPHS

Ö

#### Ferrous Alloys



Report Id: NORMINLH [WUSCAR] 06115502 (Generated: 03/13/2024 16:27:56) Rev: 1