CONSTRUCTION EQUIPMENT

LIEBHERR R944 042563-194 - Rear Differential

Sample No: LH0243877

Manganese

Vanadium

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

Oil Type: LIEBHERR GEAR BASIC 90 LS

CAA	ADI E INE	DRMATION			
Sample Number		LH0243877	LH0229405	LHMC93580	
Sample Date		29 Feb 2024	03 Oct 2022	29 Dec 2015	
Machine Hours		29512	28033	15560	
Oil Hours		0	2000	1000	
Oil Changed		Changed	Not Changd	Changed	
Sample Status		ATTENTION	ABNORMAL	ATTENTION	
A Clarac		/ I I Z II II O II	7.13.101.1117.12	71112111011	
A		N. 1			
	CONDITIO	ON			
Visc @ 40°C	cSt	312	308	311.0	
-4					
CON	ITAMINA	TION			
Water	%	NEG	NEG	NEG	
Silicon	ppm	3	0 8	O <1	
Sodium	ppm	0	O 1	O <1	
Potassium	ppm	4	O 1	O 11	
₩E/	AR META	LS			
			0.40	0.5	
ron	ppm	19	O 19	O 5	
Copper	ppm	25	O 11	6	
_ead	ppm	0 <1	0	0 <1	
Tin	ppm	○ <1	0	0	
Aluminum	ppm	2	O 4	<1	
Chromium	ppm	○ <1	O 0	O 0	
Molybdenum	ppm	2	0 2	O 0	
Nickel	ppm	() <1	0	<1	
Titanium	ppm	<1	<1	0	
Silver	ppm	0	<1	0	

 \bigcirc <1

48

 \bigcirc 7 38

0 854

167

0

24

14

0 424

 \bigcirc 0

47



LIEBHERR EQUIPMENT SOURCE

4100 CHESTNUT AVENUE NEWPORT NEWS, VA

US 23607

Contact: LUKE APPLEBY Lucas.Appleby@liebherr.com

T:

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Diagnosis

The oil change at the time of sampling has been noted. 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 oil viscosity is higher than normal. Confirm oil type.

Depot: **LIEBHERRUS** Unique No: 10914460 Signed: Don Baldridge **Report Date:** 09 Mar 2024

() <1

61

6

54

<1</p>

218

1146

<1

ppm

ppm

mqq

ppm

ppm

ppm

ppm

ppm

ADDITIVES

CONSTRUCTION EQUIPMENT





GRAPHS

