



## LIEBHERR A934C 045480-1007 - Rear Differential

Sample No: LH0263946

Oil Type: GEAR OIL SAE 80W90

# SAMPLE INFORMATION

Sample Number		LH0263946	LHMC142227	LHMC106358	LHMC106461	
Sample Date		19 Dec 2023	03 May 2019	02 Jun 2017	14 Oct 2016	
Machine Hours		31068	22895	17893	16574	
Oil Hours		2000	2000	500	0	
Oil Changed		Changed	Changed	Not Changd	Not Changd	
Sample Status		NORMAL	NORMAL	NORMAL	NORMAL	
Visc @ 40°C	cSt	<b>120</b>	329	278.8	276.2	
<b>11</b>						

	NTAMINA	ATION				
Water	%	NEG	NEG	NEG	NEG	
Silicon	ppm	03	0 2	6	0 4	
Sodium	ppm	0 2	2	2	3	
Potassium	maa	0	0 <1	0 2	$\bigcirc 0$	

Ä					
WEA WEA	R META	LS			
Iron	ppm	0 27	07	6	03
Copper	ppm	0 17	0 2	03	01
Lead	ppm	0 🔘	01	0	0
Tin	ppm	<b>○</b> <1	0	0	0
Aluminum	ppm	<b>○</b> <1	0	01	0
Chromium	ppm	0 🔘	0	○ <1	0
Molybdenum	ppm	0 2	○ <1	01	2
Nickel	ppm	0 🔘	0	0	0
Titanium	ppm	<1	<1	3	4
Silver	ppm	0	0	0	0
Manganese	ppm	<b>○</b> <1	○ <1	◯ <1	◯ <1
Vanadium	ppm	<1	0	0	0

0 44

 $\bigcirc 2$ 

0 18

0 950

0 155

 $\bigcirc 0$ 

0 122

6

63

0 858

○ <1

0 151

0 156

04

072

0 906

0 148

 $\bigcirc 0$ 

#### 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:	10844579
Signed:	Wes Davis
Report Date:	23 Jan 2024

0 124

021

079

0

0 179

0 1311

**ADDITIVES** 

ppm

ppm

ppm

ppm

ppm

ppm

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

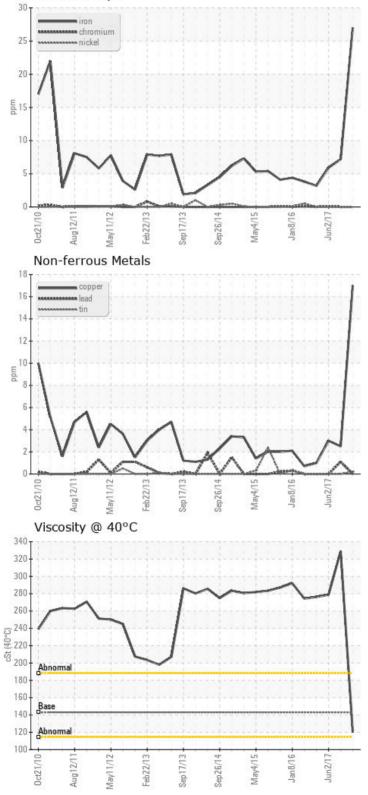
Contact/Location: CHRIS GILMER - NORMINLH





# **GRAPHS**

#### Ferrous Alloys



Report Id: NORMINLH [WUSCAR] 06067902 (Generated: 01/23/2024 15:43:41) Rev: 1