

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [SUBLATOS] LIEBHERR R934 54888 - Splitter Box

Sample No: LH0225021

Oil Type: GEAR OIL SAE 75W90



#### SAMPLE INFORMATION

Sample Number	LH0225021	LH0269742	LH0225122	LH0224985
Sample Date	21 Jan 2024	30 Aug 2023	29 May 2023	14 Mar 2023
Machine Hours	1940	1423	971	577
Oil Hours	0	0	0	0
Oil Changed	Changed	Changed	Not Changd	Changed
Sample Status	NORMAL	NORMAL	NORMAL	NORMAL

**LIEBHERR CANADA LTD.**  
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#### OIL CONDITION

Visc @ 40°C	cSt	99.1	106	124	194
		●	●	●	



#### CONTAMINATION

Water	%	NEG	NEG	NEG	NEG
Silicon	ppm	● 5	● 5	● 5	● 1
Sodium	ppm	● <1	● 1	● 2	● 4
Potassium	ppm	● 1	● 1	● 1	● 1



#### WEAR METALS

Iron	ppm	● 21	● 20	● 20	● 33
Copper	ppm	● <1	● <1	● <1	● 1
Lead	ppm	● 0	● 0	● <1	● <1
Tin	ppm	● 0	● 0	● 0	● 0
Aluminum	ppm	● 1	● <1	● <1	● <1
Chromium	ppm	● 0	● <1	● 0	● <1
Molybdenum	ppm	● 0	● 0	● 0	● 0
Nickel	ppm	● 0	● 0	● 0	● <1
Titanium	ppm	● 0	● 0	● 0	● <1
Silver	ppm	● 0	● 0	● <1	● 0
Manganese	ppm	● 0	● <1	● 0	● 1
Vanadium	ppm	● 0	● 0	● 0	● 0



#### ADDITIVES

Calcium	ppm	● 23	● 18	● 22	● 13
Magnesium	ppm	● 2	● 2	● 2	● 2
Zinc	ppm	● 25	● 21	● 20	● 24
Phosphorus	ppm	● 1273	● 1364	● 1419	● 1635
Barium	ppm	● 0	● 0	● <1	● 0
Boron	ppm	● 282	● 270	● 192	● 1

#### 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 75W90. 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: LIESPR  
 Unique No: 5722587  
 Signed: Wes Davis  
 Report Date: 05 Feb 2024



### GRAPHS

