

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [SUBLATOS] LIEBHERR R934 54888 - Right Final Drive

Sample No: LH0225019

Oil Type: GEAR OIL SAE 75W90



#### SAMPLE INFORMATION

Sample Number	LH0225019	LH0225120	LH0224984	---
Sample Date	21 Jan 2024	29 May 2023	14 Mar 2023	---
Machine Hours	1940	971	577	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

#### LIEBHERR CANADA LTD.

10374 267 ST.  
ACHESON, AB  
CA T7X 6A2  
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#### OIL CONDITION

Visc @ 40°C	cSt	98.5	116	202	---
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#### CONTAMINATION

Water	%	NEG	NEG	NEG	---
Silicon	ppm	482	60	97	---
Sodium	ppm	9	4	8	---
Potassium	ppm	25	3	8	---



#### WEAR METALS

Iron	ppm	983	205	419	---
Copper	ppm	<1	<1	<1	---
Lead	ppm	0	<1	0	---
Tin	ppm	0	0	0	---
Aluminum	ppm	84	9	19	---
Chromium	ppm	14	4	9	---
Molybdenum	ppm	0	0	<1	---
Nickel	ppm	4	1	2	---
Titanium	ppm	4	0	1	---
Silver	ppm	0	<1	0	---
Manganese	ppm	9	2	5	---
Vanadium	ppm	0	0	<1	---



#### ADDITIVES

Calcium	ppm	151	40	35	---
Magnesium	ppm	35	6	4	---
Zinc	ppm	19	19	19	---
Phosphorus	ppm	1248	1251	1321	---
Barium	ppm	1	4	10	---
Boron	ppm	255	214	5	---

#### Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Aluminum ppm levels are abnormal. There is no indication of any contamination in the oil. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: LIESPR  
Unique No: 5722585  
Signed: Bill Quesnel  
Report Date: 05 Feb 2024



### GRAPHS

