

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(345080)] LIEBHERR R934 052204-1550 - Swing Drive

Sample No: LH0294727

Oil Type: GEAR OIL SAE 75W90



#### Sample Information

Sample Number	LH0294727	LH0195895	LH0195886	---
Sample Date	08 Jul 2024	12 Jul 2022	29 Mar 2022	---
Machine Hours	3534	2234	1640	---
Oil Hours	0	0	0	---
Oil Changed	Changed	Changed	Changed	---
Sample Status	ABNORMAL	NORMAL	NORMAL	---

AMERICAN IRON AND METAL RECYCLING  
116 GOVERNMENT RD N  
TIMMINS, ON  
CA P4R 1M9  
Contact: Service Manager



#### Oil Condition

Visc @ 40°C	cSt	104	106	95.0	---
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T: (705)257-7222  
F:



#### Contamination

Water	%	NEG	NEG	NEG	---
Silicon	ppm	4	<1	1	---
Sodium	ppm	1	<1	<1	---
Potassium	ppm	1	<1	<1	---

#### Diagnosis

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. Chromium and iron ppm levels are abnormal. The low ferrous density (PQ) index indicates the wear metal levels are due to corrosion. There is no indication of any contamination in the oil. The white residue present in the sample is oil additive precipitate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.



#### Wear Metals

PQ		0	---	---	---
Iron	ppm	1247	92	54	---
Copper	ppm	<1	19	12	---
Lead	ppm	0	<1	<1	---
Tin	ppm	0	<1	<1	---
Aluminum	ppm	<1	0	<1	---
Chromium	ppm	18	<1	<1	---
Molybdenum	ppm	<1	0	0	---
Nickel	ppm	<1	<1	<1	---
Titanium	ppm	<1	0	0	---
Silver	ppm	0	0	0	---
Manganese	ppm	13	<1	<1	---
Vanadium	ppm	0	0	0	---



#### Additives

Calcium	ppm	10	8	12	---
Magnesium	ppm	2	<1	<1	---
Zinc	ppm	20	9	11	---
Phosphorus	ppm	1325	1277	1589	---
Barium	ppm	2	<1	<1	---
Boron	ppm	141	227	234	---

Depot: AIMTIM  
Unique No: 5814333  
Signed: Kevin Marson  
Report Date: 21 Jul 2024



### Graphs

