

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### [(347307)] LIEBHERR R934 052025-1550 - Swing Drive

Sample No: LH0291202

Oil Type: GEAR OIL SAE 75W90



#### Information sur l'échantillon

Número d'échant.	LH0291202	LH0270380	LH0239224	LH0227478
Date d'échant.	10 Jun 2024	27 Jul 2023	15 Nov 2022	09 Mar 2022
Heures de la Machine	3964	2892	1904	979
Heures de l'huile	0	0	0	0
Huile changée	Changed	Changed	Changed	Changed
Statut de l'échant.	ABNORMAL	ABNORMAL	ABNORMAL	ABNORMAL

**MOFFATT SCRAP IRON & METAL INC.**  
 9620 GUELPH LINE  
 CAMPBELLVILLE, ON  
 CA L0P 1B0  
 Contact: Paul Brochu  
 maintenance@moffatsscrapiron.ca  
 T: (905)854-2792  
 F: (905)854-1225



#### État d'huile

Visc 40°C	cSt	91.6	99.6	104	109
		●	●		



#### Contamination

Eau	%	NEG	NEG	NEG	NEG
Silicium	ppm	● 3	● 4	● 4	● 6
Sodium	ppm	● 1	● 1	● <1	● 2
Potassium	ppm	● <1	● <1	● 1	● 1



#### Métaux d'usure

PQ		● 0	---	● 0	---
Fer	ppm	● 1033	● 599	● 1043	● 574
Cuivre	ppm	● 1	● <1	● <1	● 1
Plomb	ppm	● <1	● <1	● <1	● <1
Étain	ppm	● 0	● 0	● 0	● 0
Aluminium	ppm	● <1	● <1	● <1	● <1
Chrome	ppm	● 13	● 8	● 13	● 8
Molybdène	ppm	● 0	● <1	● <1	● <1
Nickel	ppm	● <1	● 0	● <1	● <1
Titane	ppm	<1	<1	<1	0
Argent	ppm	0	<1	0	0
Manganèse	ppm	● 7	● 5	● 9	● 7
Vanadium	ppm	0	0	<1	<1



#### Additifs

Calcium	ppm	● 7	● 13	● 14	● 10
Magnésium	ppm	● 1	● 4	● 1	● 2
Zinc	ppm	● 11	● 15	● 13	● 13
Phosphore	ppm	680	● 1368	● 1328	● 1385
Baryum	ppm	● 0	● 0	● 0	● <1
Bore	ppm	● 46	● 207	● 184	● 235

#### Diagnostic

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. Gear wear is indicated. 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 oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: MOFMOF  
 Unique No: 5798750  
 Signed: Kevin Marson  
 Report Date: 11 Jun 2024



### Graphs

