

LIEBHERR

CONSTRUCTION EQUIPMENT



[(363347)] LIEBHERR R934 054150-1550 - Swing Drive

Sample No: LH0218925

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0218925	---	---	---
Sample Date	13 Jul 2023	---	---	---
Machine Hours	1040	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

KARSON SAND & GRAVEL INC

3733 CARP ROAD

CARP, ON

CA K0A 1L0

Contact: Richard Simard

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F:



OIL CONDITION

Visc @ 40°C	cSt	● 200	---	---	---
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CONTAMINATION

Silicon	ppm	● 3	---	---	---
Sodium	ppm	● 3	---	---	---
Potassium	ppm	● 1	---	---	---



WEAR METALS

PQ		● 0	---	---	---
Iron	ppm	● 904	---	---	---
Copper	ppm	● 1	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 0	---	---	---
Aluminum	ppm	● <1	---	---	---
Chromium	ppm	● 14	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	● <1	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 9	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

Calcium	ppm	● 47	---	---	---
Magnesium	ppm	● 1	---	---	---
Zinc	ppm	● 20	---	---	---
Phosphorus	ppm	● 1591	---	---	---
Barium	ppm	● 8	---	---	---
Boron	ppm	● 2	---	---	---

Diagnosis

We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm. 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 oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: KAR373CAR

Unique No: 5631235

Signed: Kevin Marson

Report Date: 25 Aug 2023



GRAPHS

