

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR R934C 25286 - Swing Drive

Sample No: LH0274708

Oil Type: GEAR OIL SAE 75W90



LIEBHERR CANADA LTD.
 1015 SUTTON DRIVE
 BURLINGTON, ON
 CA L7L 5Z8
 Contact: Joseph Rodgers
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SAMPLE INFORMATION

Sample Number	LH0274708	---	---	---
Sample Date	28 Aug 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	SEVERE	---	---	---



OIL CONDITION

Visc @ 40°C	cSt	● 92.3	---	---	---
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CONTAMINATION

Silicon	ppm	● 6	---	---	---
Sodium	ppm	● <1	---	---	---
Potassium	ppm	● <1	---	---	---



WEAR METALS

PQ		● 22	---	---	---
Iron	ppm	● 1693	---	---	---
Copper	ppm	● 234	---	---	---
Lead	ppm	● 6	---	---	---
Tin	ppm	● 4	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● 15	---	---	---
Molybdenum	ppm	● <1	---	---	---
Nickel	ppm	● 2	---	---	---
Titanium	ppm	● 0	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 15	---	---	---
Vanadium	ppm	● 0	---	---	---



ADDITIVES

Calcium	ppm	● 26	---	---	---
Magnesium	ppm	● 3	---	---	---
Zinc	ppm	● 98	---	---	---
Phosphorus	ppm	● 1177	---	---	---
Barium	ppm	● 0	---	---	---
Boron	ppm	● 144	---	---	---

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 75W90. Please confirm. Iron ppm levels are severe. Lead and chromium ppm levels are abnormal. Bearing 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: LIEMIS
 Unique No: 5632805
 Signed: Kevin Marson
 Report Date: 01 Sep 2023



GRAPHS

