

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR L580 71443 - Front Axle

Sample No: LH0274870

Oil Type: GEAR OIL SAE 80W90



SAMPLE INFORMATION

Sample Number	LH0274870	---	---	---
Sample Date	25 Sep 2023	---	---	---
Machine Hours	714	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

LIEBHERR CANADA LTD.

1015 SUTTON DRIVE

BURLINGTON, ON

CA L7L 5Z8

Contact: Joseph Rodgers

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OIL CONDITION

Visc @ 40°C	cSt	● 196	---	---	---
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CONTAMINATION

Silicon	ppm	● 20	---	---	---
Sodium	ppm	● 5	---	---	---
Potassium	ppm	● 11	---	---	---



WEAR METALS

Iron	ppm	● 137	---	---	---
Copper	ppm	● 106	---	---	---
Lead	ppm	● 3	---	---	---
Tin	ppm	● 6	---	---	---
Aluminum	ppm	● 1	---	---	---
Chromium	ppm	● 2	---	---	---
Molybdenum	ppm	● 0	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	<1	---	---	---
Manganese	ppm	42	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	● 9	---	---	---
Magnesium	ppm	● 1	---	---	---
Zinc	ppm	● 38	---	---	---
Phosphorus	ppm	● 2308	---	---	---
Barium	ppm	● <1	---	---	---
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. Copper and tin ppm levels are abnormal. Bearing and/or bushing wear is indicated. 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: 5646359

Signed: Bill Quesnel

Report Date: 26 Sep 2023



GRAPHS

