

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LR636 018206-1275 - Left Unknown Component

Sample No: LH0270321

Oil Type: NOT GIVEN



SAMPLE INFORMATION

Sample Number	LH0270321	---	---	---
Sample Date	18 Sep 2023	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

CON-DRAIN LTD.
 30 FLORAL PARKWAY
 CONCORD, ON
 CA L4K 4R1
 Contact: B BAXTER
 B.BAXTER@CONDRAIN.COM
 T:
 F:



OIL CONDITION

Visc @ 40°C	cSt	48.2	---	---	---
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CONTAMINATION

Silicon	ppm	434	---	---	---
Sodium	ppm	19	---	---	---
Potassium	ppm	39	---	---	---



WEAR METALS

Iron	ppm	520	---	---	---
Copper	ppm	1	---	---	---
Lead	ppm	2	---	---	---
Tin	ppm	0	---	---	---
Aluminum	ppm	119	---	---	---
Chromium	ppm	9	---	---	---
Molybdenum	ppm	1	---	---	---
Nickel	ppm	15	---	---	---
Titanium	ppm	8	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	5	---	---	---
Vanadium	ppm	2	---	---	---



ADDITIVES

Calcium	ppm	673	---	---	---
Magnesium	ppm	46	---	---	---
Zinc	ppm	729	---	---	---
Phosphorus	ppm	575	---	---	---
Barium	ppm	1	---	---	---
Boron	ppm	1	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the sample from the component if this has not already been done. We advise that you flush the component thoroughly before re-filling with sample. We recommend an early resample to monitor this condition. Iron ppm levels are abnormal. Aluminum ppm levels are noted. Nickel ppm levels are marginal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. High amount of ingressed dirt has caused abrasive wear to the component. The sample is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: CON30CON
 Unique No: 5644705
 Signed: Bill Quesnel
 Report Date: 20 Sep 2023



GRAPHS

