

LIEBHERR

CONSTRUCTION EQUIPMENT



[[S2023091355247]] 976 - Left Final Drive

Sample No: LH06059582

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH06059582	---	---	---
Sample Date	11 Jan 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	SEVERE	---	---	---

HEAVY MACHINES INC.

3930 EAST RAINES RD
MEMPHIS, TN
US 38118
Contact: J. DAVIS
JDAVIS@HEAVY.LLC.COM
T:
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OIL CONDITION

Visc @ 40°C	cSt	● 126	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 132	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● 4	---	---	---



WEAR METALS

Iron	ppm	● 786	---	---	---
Copper	ppm	● 1219	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 27	---	---	---
Aluminum	ppm	● 13	---	---	---
Chromium	ppm	● 7	---	---	---
Molybdenum	ppm	● 1	---	---	---
Nickel	ppm	● 4	---	---	---
Titanium	ppm	● 2	---	---	---
Silver	ppm	● 0	---	---	---
Manganese	ppm	● 7	---	---	---
Vanadium	ppm	● <1	---	---	---



ADDITIVES

Calcium	ppm	6507	---	---	---
Magnesium	ppm	20	---	---	---
Zinc	ppm	2188	---	---	---
Phosphorus	ppm	2686	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	220	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or gear wear is indicated. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Depot: LEC0051
Unique No: 10830964
Signed: Jonathan Hester
Report Date: 16 Jan 2024



GRAPHS

