

LIEBHERR

CONSTRUCTION EQUIPMENT



[[S20230909052646]] 976 - Swing Drive

Sample No: LH06059583

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH06059583	---	---	---
Sample Date	11 Jan 2024	---	---	---
Machine Hours	0	---	---	---
Oil Hours	0	---	---	---
Oil Changed	N/A	---	---	---
Sample Status	ABNORMAL	---	---	---

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	● 117	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 10	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● 2	---	---	---



WEAR METALS

Iron	ppm	● 120	---	---	---
Copper	ppm	● 281	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 8	---	---	---
Aluminum	ppm	● 2	---	---	---
Chromium	ppm	● <1	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	● <1	---	---	---
Titanium	ppm	<1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	1	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	2290	---	---	---
Magnesium	ppm	9	---	---	---
Zinc	ppm	871	---	---	---
Phosphorus	ppm	1146	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	80	---	---	---

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

Depot: LEC0051
Unique No: 10830965
Signed: Jonathan Hester
Report Date: 16 Jan 2024



GRAPHS

