

LIEBHERR

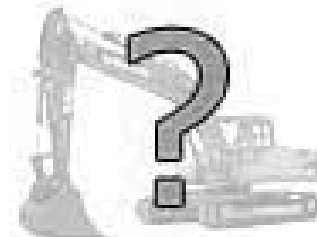
CONSTRUCTION EQUIPMENT



[[S20230806031024]] 976 - Right Final Drive

Sample No: LH06059581

Oil Type: {unknown}



SAMPLE INFORMATION

Sample Number	LH06059581	---	---	---
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:
 F: (901)260-2245



OIL CONDITION

Visc @ 40°C	cSt	● 124	---	---	---
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CONTAMINATION

Water	%	NEG	---	---	---
Silicon	ppm	● 196	---	---	---
Sodium	ppm	● 0	---	---	---
Potassium	ppm	● 4	---	---	---



WEAR METALS

Iron	ppm	● 397	---	---	---
Copper	ppm	● 161	---	---	---
Lead	ppm	● <1	---	---	---
Tin	ppm	● 9	---	---	---
Aluminum	ppm	● 10	---	---	---
Chromium	ppm	● 5	---	---	---
Molybdenum	ppm	2	---	---	---
Nickel	ppm	● 3	---	---	---
Titanium	ppm	1	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	4	---	---	---
Vanadium	ppm	<1	---	---	---



ADDITIVES

Calcium	ppm	5849	---	---	---
Magnesium	ppm	20	---	---	---
Zinc	ppm	2211	---	---	---
Phosphorus	ppm	2504	---	---	---
Barium	ppm	2	---	---	---
Boron	ppm	213	---	---	---

Diagnosis

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. The copper level is abnormal. All other component wear rates are normal. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. The condition of the oil is acceptable for the time in service.

Depot: LEC0051
Unique No: 10830963
Signed: Jonathan Hester
Report Date: 16 Jan 2024



GRAPHS

