

LIEBHERR

CONSTRUCTION EQUIPMENT



[[SUNBECK]] C17391 (S/N 68573) - Hydraulic System

Sample No: LH0217125

Oil Type: LIEBHERR HYDRAULIC HVI



SAMPLE INFORMATION

Sample Number	LH0217125	---	---	---
Sample Date	07 Mar 2024	---	---	---
Machine Hours	986	---	---	---
Oil Hours	986	---	---	---
Oil Changed	Not Chngd	---	---	---
Sample Status	ABNORMAL	---	---	---

NUECES POWER EQUIPMENT

7333 MONROE RD

HOUSTON, TX

US 77061

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OIL CONDITION

Visc @ 40°C	cSt	44.8	---	---	---
Acid Number (AN)	mg KOH/g	0.89	---	---	---



CONTAMINATION

Water	%	NEG	---	---	---
Particles >4µm		228653	---	---	---
Particles >6µm		41547	---	---	---
Particles >14µm		418	---	---	---
ISO 4406:1999 (c)		25/23/16	---	---	---
Silicon	ppm	4	---	---	---
Sodium	ppm	2	---	---	---
Potassium	ppm	0	---	---	---

Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level is abnormal. The chromium level is abnormal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



WEAR METALS

Iron	ppm	22	---	---	---
Copper	ppm	5	---	---	---
Lead	ppm	3	---	---	---
Tin	ppm	<1	---	---	---
Aluminum	ppm	2	---	---	---
Chromium	ppm	12	---	---	---
Molybdenum	ppm	<1	---	---	---
Nickel	ppm	0	---	---	---
Titanium	ppm	0	---	---	---
Silver	ppm	0	---	---	---
Manganese	ppm	<1	---	---	---
Vanadium	ppm	0	---	---	---



ADDITIVES

Calcium	ppm	704	---	---	---
Magnesium	ppm	<1	---	---	---
Zinc	ppm	424	---	---	---
Phosphorus	ppm	356	---	---	---
Barium	ppm	0	---	---	---
Boron	ppm	0	---	---	---

Depot: LIEBHERRTX

Unique No: 10939745

Signed: Jonathan Hester

Report Date: 26 Mar 2024



GRAPHS

