

LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH30M 1253-117759 - Hydraulic System

Sample No: LH0210945

Oil Type: LIEBHERR



RECO EQUIPMENT INC.
 1615 JP HENESSY DRIVE
 LAVERGNE, TN
 US 37086
 Contact: KEN FISCHER

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 F:

Diagnosis

Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. The iron level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



SAMPLE INFORMATION

Sample Number	LH0210945	LH0210903	---	---
Sample Date	02 Feb 2024	29 Jul 2023	---	---
Machine Hours	7907	5000	---	---
Oil Hours	0	0	---	---
Oil Changed	Changed	N/A	---	---
Sample Status	ABNORMAL	ABNORMAL	---	---



OIL CONDITION

Visc @ 40°C	cSt	48.6	40.9	---	---
Acid Number (AN)	mg KOH/g	0.59	0.84	---	---



CONTAMINATION

Water	%	NEG	NEG	---	---
Particles >4µm		12366	---	---	---
Particles >6µm		3427	---	---	---
Particles >14µm		222	---	---	---
ISO 4406:1999 (c)		21/19/15	---	---	---
Silicon	ppm	2	5	---	---
Sodium	ppm	2	7	---	---
Potassium	ppm	0	3	---	---



WEAR METALS

Iron	ppm	73	98	---	---
Copper	ppm	4	10	---	---
Lead	ppm	0	3	---	---
Tin	ppm	0	<1	---	---
Aluminum	ppm	0	0	---	---
Chromium	ppm	1	2	---	---
Molybdenum	ppm	0	2	---	---
Nickel	ppm	0	<1	---	---
Titanium	ppm	0	0	---	---
Silver	ppm	0	0	---	---
Manganese	ppm	1	3	---	---
Vanadium	ppm	0	<1	---	---



ADDITIVES

Calcium	ppm	367	706	---	---
Magnesium	ppm	1	4	---	---
Zinc	ppm	492	490	---	---
Phosphorus	ppm	411	410	---	---
Barium	ppm	0	0	---	---
Boron	ppm	0	0	---	---

Depot: RECLAV
Unique No: 10872156
Signed: Jonathan Hester
Report Date: 12 Feb 2024



GRAPHS

