

# LIEBHERR

## CONSTRUCTION EQUIPMENT



### LIEBHERR LH30M 1253-123497 - Hydraulic System

Sample No: LH0273447

Oil Type: {unknown}



**SPARTAN RECYCLING**  
 3071 HOWARD ST  
 SPARTANBURG, SC  
 US 29303  
 Contact: SERVICE MANAGER

T:  
 F:



#### Sample Information

Sample Number	LH0273447	LH0272910	LH0258293	LH0212307
Sample Date	20 Jun 2024	11 Jan 2024	16 Aug 2023	30 Dec 2021
Machine Hours	5603	4554	3960	981
Oil Hours	500	0	0	0
Oil Changed	Not Changd	N/A	Not Changd	Not Changd
Sample Status	SEVERE	SEVERE	SEVERE	ABNORMAL



#### Oil Condition

Visc @ 40°C	cSt	46.7	43.4	43.2	44.6
Acid Number (AN)	mg KOH/g	0.92	1.07	1.14	1.16



#### Contamination

Water	%	NEG	NEG	NEG	NEG
Particles >4µm		5632	2224	---	66138
Particles >6µm		1749	329	---	7088
Particles >14µm		40	20	---	165
ISO 4406:1999 (c)		20/18/12	18/16/11	---	23/20/15
Silicon	ppm	2	3	3	2
Sodium	ppm	3	1	3	0
Potassium	ppm	0	2	2	1

#### Diagnosis

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe. 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.



#### Wear Metals

Iron	ppm	151	129	125	26
Copper	ppm	10	12	11	44
Lead	ppm	1	3	3	1
Tin	ppm	0	0	0	<1
Aluminum	ppm	<1	1	<1	2
Chromium	ppm	1	2	1	<1
Molybdenum	ppm	0	<1	0	<1
Nickel	ppm	0	0	0	0
Titanium	ppm	0	0	0	<1
Silver	ppm	0	0	0	<1
Manganese	ppm	2	1	2	<1
Vanadium	ppm	0	0	<1	0



#### Additives

Calcium	ppm	564	858	870	1329
Magnesium	ppm	24	32	5	6
Zinc	ppm	532	613	673	648
Phosphorus	ppm	442	502	527	547
Barium	ppm	<1	0	0	0
Boron	ppm	0	0	0	1

**Depot:** SPASPALH  
**Unique No:** 11100484  
**Signed:** Don Baldrige  
**Report Date:** 02 Jul 2024



### Graphs

