# LIEBHERR

**CONSTRUCTION EQUIPMENT** 



## [[\$20230323040221]] LIEBHERR TA2307369 - Hydraulic Sy

Sample No: LH06059244

Oil Type: AW HYDRAULIC OIL ISO 68

ā				
SAMP	LE INFOR	MATION		
Sample Number		LH06059244	 	
Sample Date		29 Dec 2023	 	
Machine Hours		2227	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
OIL CO	NDITION			
Visc @ 40°C	cSt	<b>47.8</b>	 	
Acid Number (AN)	mg KOH/g	<b>1.22</b>	 	
		<b></b>		

CONTAMINATION					
Water	%	NEG			
Particles >4µm		<b>98489</b>			
Particles >6µm		<b>21294</b>			
Particles >14μm		<b>241</b>			
ISO 4406:1999 (c)	)	24/22/15			
Silicon	ppm	<b>3</b>			
Sodium	ppm	<b>()</b> <1			
Potassium	ppm	<b>0</b>			

WEA WEA	R METALS	<del>,</del>		
Iron	ppm	O 2	 	
Copper	ppm	03	 	
Lead	ppm	0 <1	 	
Tin		00	 	
Aluminum	ppm	_	 	
Chromium	ppm	<b>○</b> 0		
	ppm	_	 	
Molybdenum Nickel	ppm	0	 	
	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

ADDITIVES					
Calcium	ppm	<b>1423</b>			
Magnesium	ppm	<b>2</b>			
Zinc	ppm	<b>717</b>			
Phosphorus	ppm	<b>640</b>			
Barium	ppm	<b>0</b>			
Boron	ppm	<b>0</b>			



### HEAVY MACHINES INC.

3930 EAST RAINES RD MEMPHIS, TN US 38118 Contact: J. DAVIS JDAVIS@HEAVY.LLC.COM

Т:

F: (901)260-2245

#### Diagnosis

The oil change at the time of sampling has been noted. We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

Depot: LEC0051
Unique No: 10830626
Signed: Don Baldridge
Report Date: 15 Jan 2024

# CONSTRUCTION EQUIPMENT





#### **GRAPHS**

