## LIEBHERR

**CONSTRUCTION EQUIPMENT** 



### [[\$20230515022724]] LIEBHERR TA2304162 - Hydraulic Sys

**Sample No:** LH06059245

Oil Type: AW HYDRAULIC OIL ISO 46

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SAMPLEINFORMATION					
Sample Number	LH06059245				
Sample Date	10 Nov 2023				
Machine Hours	3503				
Oil Hours	0				
Oil Changed	Not Changd				
Sample Status	ATTENTION				
OIL CONDITION					

OII CC	NDITION			
Visc @ 40°C	cSt	<b>46.7</b>	 	
Acid Number (AN)	mg KOH/g	<b>1.17</b>	 	
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<b>**</b>					
CONTAMINATION					
Water	%	NEG			
Particles >4µm		<b>22107</b>			
Particles >6µm		<b>3701</b>			
Particles >14µm		<b>81</b>			
ISO 4406:1999 (c)		22/19/14			
Silicon	ppm	<b>3</b>			
Sodium	ppm	<b>3</b>			
Potassium	ppm	<b>0</b>			

WEA	R METALS			
Iron	ppm	<b>5</b>	 	
Copper	ppm	<b>4</b>	 	
Lead	ppm	<b>2</b>	 	
Tin	ppm	<b>0</b>	 	
Aluminum	ppm	<b>0</b>	 	
Chromium	ppm	<b>0</b> <1	 	
Molybdenum	ppm	<b>0</b>	 	
Nickel	ppm	<b>0</b>	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<b>0</b> 0	 	
Vanadium	ppm	0	 	

ADD	ITIVES			
Calcium	ppm	<b>1467</b>	 	
Magnesium	ppm	<b>3</b>	 	
Zinc	ppm	<b>724</b>	 	
Phosphorus	ppm	<b>650</b>	 	
Barium	ppm	<b>0</b>	 	
Boron	ppm	<b>1</b>	 	



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#### Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Depot:LEC0051Unique No:10830627Signed:Don BaldridgeReport Date:15 Jan 2024

Contact/Location: J. DAVIS - LEC0051

# CONSTRUCTION EQUIPMENT





#### **GRAPHS**

