

LIEBHERR R945 053481-1866 - Hydraulic System

Sample No: LH0273814

Oil Type: LIEBHERR HYDRAULIC HVI

SAMPLE INFORMATION

Sample Number	LH0273814	LH0220711				
Sample Date	02 Feb 2024	29 Sep 2022				
Machine Hours	574	425				
Oil Hours	0	0				
Oil Changed	Not Changd	N/A				
Sample Status	NORMAL	NORMAL				

OIL CO	DNDITION			
Visc @ 40°C	cSt	37.8	37.8	
Acid Number (AN)	mg KOH/g	0.77	0.80	

Water	%	NEG	NEG		
Particles >4µm		0 1336	0 14020		
Particles >6µm		0 159	○ 777		
Particles >14µm		0 10	0 11		
ISO 4406:1999 (c)		18/14/10	21/17/11		
Silicon	ppm	04	○ 5		
Sodium	ppm	3	2		
Potassium	ppm	0 ()	0		

WEAR METALS

Iron	ppm	6	07	
Copper	ppm	04	03	
Lead	ppm	0 🔘	◯ <1	
Tin	ppm	<mark></mark> <1	○ <1	
Aluminum	ppm	0 🔘	◯ <1	
Chromium	ppm	0 🔘	0	
Molybdenum	ppm	○ <1	2	
Nickel	ppm	0 🔘	0	
Titanium	ppm	<1	<1	
Silver	ppm	0	<1	
Manganese	ppm	0 🔘	<1	
Vanadium	ppm	0	2	

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Calcium	ppm	0 1084	1179			
Magnesium	ppm	04	1			
Zinc	ppm	623	702			
Phosphorus	ppm	548	622			
Barium	ppm	0	0			
Boron	ppm	0 15	13			





AMERICAN STATE EQUIPMENT CO.

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Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

 Depot:
 LEC0008

 Unique No:
 10883808

 Signed:
 Don Baldridge

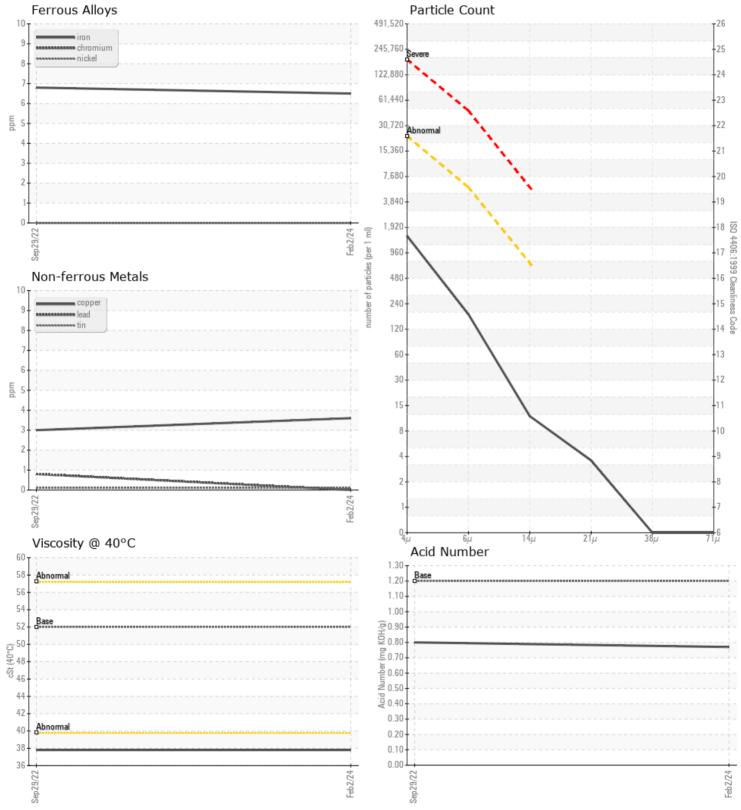
 Report Date:
 17 Feb 2024

CONSTRUCTION EQUIPMENT



GRAPHS

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Contact/Location: CHRIS BARTNIK - LEC0008