

LIEBHERR R945 0557 22-1866 - Hydraulic System

Sample No: LH0254609

Oil Type: LIEBHERR HYDRAULIC

SAMPLE INFORMATION

Sample Number	LH0254609	 	
Sample Date	15 Aug 2023	 	
Machine Hours	1076	 	
Oil Hours	1076	 	
Oil Changed	Not Changd	 	
Sample Status	ABNORMAL	 	

Visc @ 40°C	cSt	42.3		
Acid Number (AN)	mg KOH/g	0 1.50		

CONTAMINATION

Particles >4µm		0 13250	 	
Particles >6µm		0 1416	 	
Particles >14µm		0 70	 	
ISO 4406:1999 (c)		21/18/13	 	
Silicon	ppm	04	 	
Sodium	ppm	0 ()	 	
Potassium	ppm	02	 	

WEAR METALS

Iron	ppm	1 4	 	
Copper	ppm	<mark>)</mark> 33	 	
Lead	ppm	02	 	
Tin	ppm	<mark></mark> <1	 	
Aluminum	ppm	01	 	
Chromium	ppm	0 🔘	 	
Molybdenum	ppm	0	 	
Nickel	ppm	<mark></mark> <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<1	 	
Vanadium	ppm	0	 	

0

	DITIVES			
Calcium	ppm	762	 	
Magnesium	ppm	5	 	
Zinc	ppm	729	 	
Phosphorus	ppm	605	 	
Barium	ppm	2	 	
Boron	ppm	0	 	





FINKBINER EQUIPMENT CO.

15 W 400 N FRONTAGE RD BURR RIDGE, IL US 60527 Contact: DON FITZGERALD dfitzgerald@finkbiner.com T: (815)546-8991 F: (630)654-3792

Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.The copper level is abnormal. All other metal levels are typical for a new component breaking in. 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.

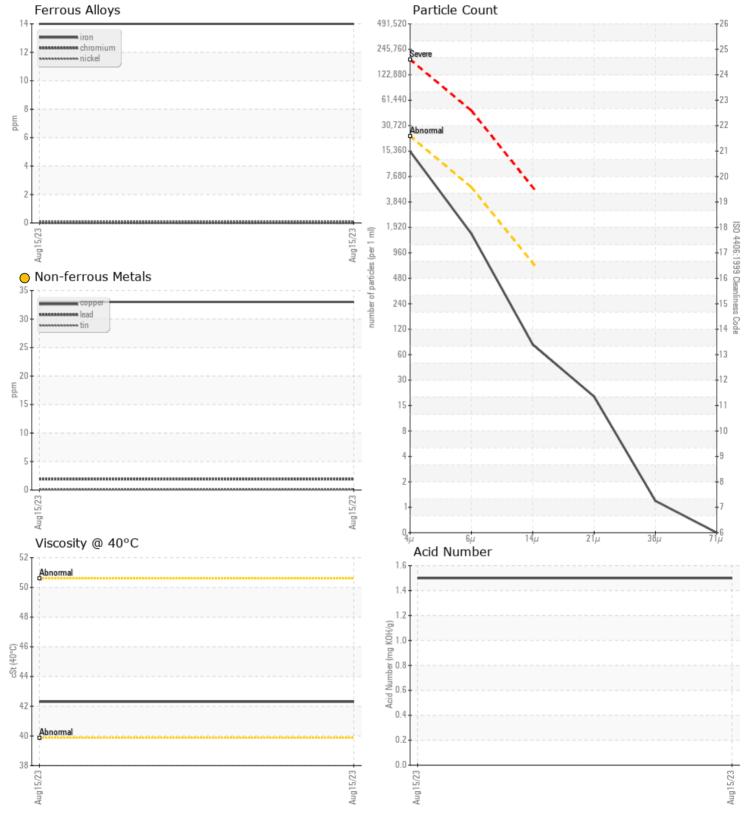
Depot:	LEC0033
Unique No:	10631975
Signed:	Don Baldridge
Report Date:	06 Sep 2023

LEBHERR CONSTRUCTION EQUIPMENT



GRAPHS

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Contact/Location: DON FITZGERALD - LEC0033