CONSTRUCTION EQUIPMENT

[[FRONTIER INDUSTRIAL]] LIEBHERR R9150BH 038151-1956 - Hydrauli

Sample No: LH0236437

Oil Type: LIEBHERR

SAMPLE INFORMATION

Sample Number		LH0236437	LHMC94567			
Sample Date		12 Oct 2023	19 Apr 2023			
Machine Hours		2950	2357			
Oil Hours		2950	0			
Oil Changed		Not Changd	Not Changd			
Sample Status		NORMAL	NORMAL			
Visc @ 40°C	cSt	49.1	48.8			
-		- 43.1	0.0			
Acid Number (AN)	mg KOH/g	0.90	0.94			

Particles >4µm		5211	○ 7695			
Particles >6µm		0 1082	0 1573			
Particles >14µm		5 1	75			
ISO 4406:1999 (d	c)	20/17/13	20/18/13			
Silicon	ppm	0 5	0 4			
Sodium	ppm	03	03			
Potassium	ppm	01	2			

WEAR METALS

		-		
Iron	ppm	0 10	0 10	
Copper	ppm	07	0 6	
Lead	ppm	○ <1	0	
Tin	ppm	○ <1	0	
Aluminum	ppm	◯ <1	0 1	
Chromium	ppm	01	○ <1	
Molybdenum	ppm	0	<1	
Nickel	ppm	0 🔘	0 0	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	<1	<1	
Vanadium	ppm	0	0	

0

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	DITIVES			
Calcium	ppm	1654	1574	
Magnesium	ppm	6	12	
Zinc	ppm	754	783	
Phosphorus	ppm	679	655	
Barium	ppm	0	0	
Boron	ppm	0	<1	



AMERICAN STATE EQUIPMENT CO.

2400 NORTH 14TH AVENUE WAUSAU, WI US 54401 Contact: CHRIS BARTNIK cbartnik@amstate.com T: (715)675-6900 F: (715)675-9748

Diagnosis

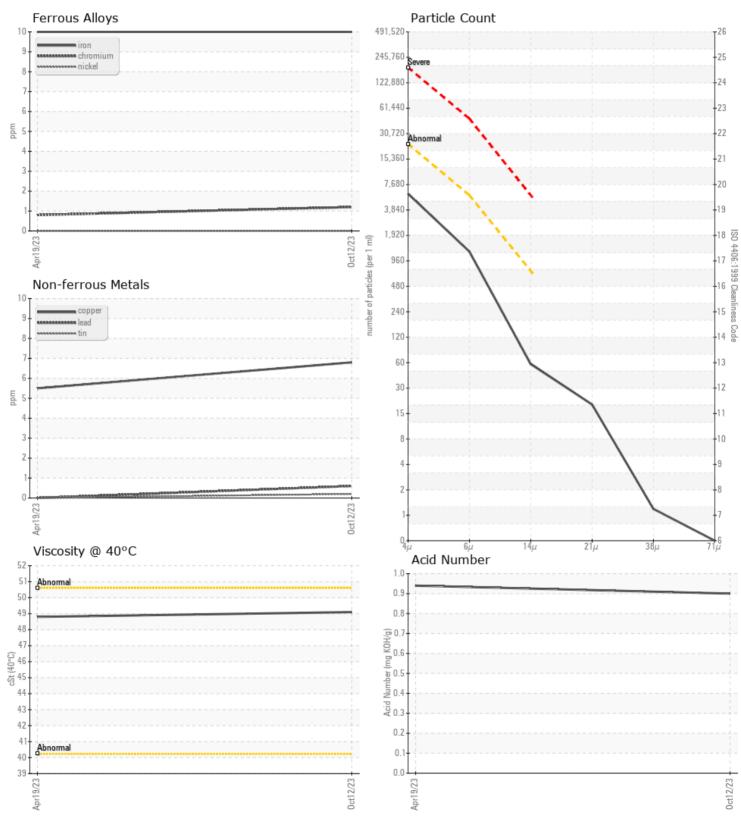
Resample at the next service interval to monitor.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot:	LEC0008
Unique No:	10701460
Signed:	Wes Davis
Report Date:	20 Oct 2023

LEBHERR CONSTRUCTION EQUIPMENT



GRAPHS



Report Id: LEC0008 [WUSCAR] 05984165 (Generated: 10/22/2023 13:25:25) Rev: 1

Contact/Location: CHRIS BARTNIK - LEC0008