

LIEBHERR R930 049615-1716 - Hydraulic System

Sample No: LH0243968

Oil Type: LIEBHERR HYDRAULIC HVI

SAMPLE INFORMATION

Sample Number	LH0243968	LH0183111	
Sample Date	12 Jun 2023	02 Oct 2020	
Machine Hours	1685	522	
Oil Hours	0	522	
Oil Changed	Not Changd	Not Changd	
Sample Status	NORMAL	NORMAL	

OIL CO	NDITION			
Visc @ 40°C	cSt	43.6	0 44.7	
Acid Number (AN)	mg KOH/g	0 1.09	0 1.329	

CON	ramin/	ATION			
Particles >4µm		0 11068	0 3933	 	
Particles >6µm		0 2318	◯ 366	 	
Particles >14µm		0 395	3	 	
ISO 4406:1999 (c))	21/18/16	19/16/9	 	
Silicon	ppm	0 5	0 4	 	
Sodium	ppm	3	0	 	
Potassium	ppm	0	0 1	 	

Ö	WEAR METALS	

Iron	ppm	9	8 🔘	 	
Copper	ppm	05	03	 	
Lead	ppm	○ <1	○ <1	 	
Tin	ppm	○ <1	○ <1	 	
Aluminum	ppm	02	0	 	
Chromium	ppm	03	01	 	
Molybdenum	ppm	0 🔘	0	 	
Nickel	ppm	0 🔘	0	 	
Titanium	ppm	0	0	 	
Silver	ppm	0	1	 	
Manganese	ppm	○ <1	○ <1	 	
Vanadium	maa	<1	0	 	

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	DITIVES			
Calcium	ppm	0 1478	1368	
Magnesium	ppm	01	0 5	
Zinc	ppm	0 742	735	
Phosphorus	ppm	0 605	645	
Barium	ppm	0 🔘	0	
Boron	ppm	0	0 2	





ACECO

10119 RESIDENCY ROAD MANASSAS, VA US 20110 Contact: RON BROCK

T: (703)392-0111 F: (703)331-5604

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:
 ACEMAN

 Unique No:
 10635722

 Signed:
 Wes Davis

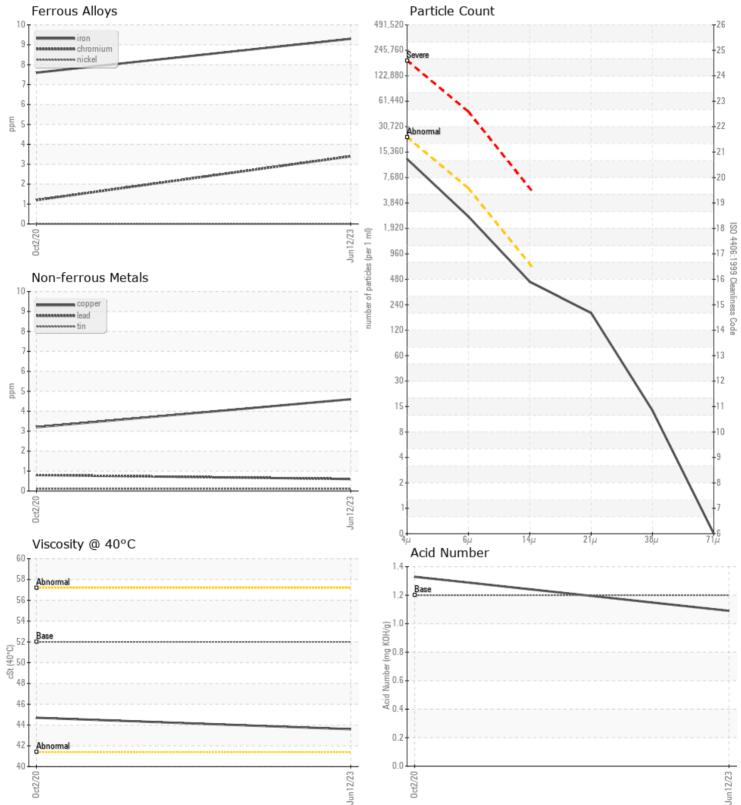
 Report Date:
 08 Sep 2023

CONSTRUCTION EQUIPMENT



GRAPHS

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Report Id: ACEMAN [WUSCAR] 05945110 (Generated: 09/12/2023 08:24:18) Rev: 1

Contact/Location: RON BROCK - ACEMAN