LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR R920 54849 - Hydraulic System

Sample No: LH0274450

Oil Type: LIEBHERR HYDRAULIC HVI

5					
SAMP	PLE INFOR/	MOITAN			
Sample Number		LH0274450			
Sample Date		02 Aug 2023			
Machine Hours		594			
Oil Hours		0			
Oil Changed		Changed			
Sample Status		ABNORMAL			
OILCO	NDITION				
Visc @ 40°C	cSt	45.8			
CONTAMINATION					

CONT	AMINATIO	ON		
Particles >4μm		○ 73608	 	
Particles >6µm		27787	 	
Particles >14μm		2150	 	
ISO 4406:1999 (c)		23/22/18	 	
Silicon	ppm	5	 	
Sodium	ppm	0 <1	 	
Potassium	ppm	2	 	

WEA	R META	LS		
Iron	ppm	4	 	
Copper	ppm	11	 	
Lead	ppm	7	 	
Tin	ppm	0	 	
Aluminum	ppm	1	 	
Chromium	ppm	0	 	
Molybdenum	ppm	0	 	
Nickel	ppm	() <1	 	
Titanium	ppm	0	 	
Silver	ppm	<1	 	
Manganese	ppm	() <1	 	
Vanadium	ppm	0	 	

ADDITIVES						
Calcium	ppm	561				
Magnesium	ppm	3				
Zinc	ppm	687				
Phosphorus	ppm	634				
Barium	ppm	 <1				
Boron	ppm	1				





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Diagnosis

Check seals and/or filters for points of contaminant entry. We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition. All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. There is a moderate concentration of water present in the oil. Free water present. The oil is no longer serviceable due to the presence of contaminants.

Depot: LIEMIS
Unique No: 5619106
Signed: Kevin Marson
Report Date: 04 Aug 2023

CONSTRUCTION EQUIPMENT





GRAPHS

