LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR R938 1650-50726 - Hydraulic System

Sample No: LH0244727

Oil Type: LIEBHERR HYDRAULIC HVI



Acid Number (AN)	mg KOH/g	1.15	1.00			
CONTAMINATION						
Particles >4µm		6080	O 67406			
Particles >6µm		322	3305			
Particles >14µm		11	29			
ISO 4406:1999 (c)		20/16/11	23/19/12			
Silicon	ppm	4	4			
Sodium	ppm	2	O <1			
Potassium	ppm	0 <1	02			

WEA	R METALS	5		
Iron	ppm	22	O 11	
Copper	ppm	5	O 4	
Lead	ppm	 <1		
Tin	ppm	0	O <1	
Aluminum	ppm	 <1	O <1	
Chromium	ppm	3	O 2	
Molybdenum	ppm	0	O <1	
Nickel	ppm	0	0	
Titanium	ppm	0	0	
Silver	ppm	0	<1	
Manganese	ppm	 <1	O <1	
Vanadium	ppm	0	0	

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ADDITIVES						
Calcium	ppm	1088	O 1041			
Magnesium	ppm	4	6			
Zinc	ppm	668	O 639			
Phosphorus	ppm	574	O 519			
Barium	ppm	0	O 0			
Boron	ppm	0	O 1			





DIEHL AND NUEMAIER

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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: DIEDEF
Unique No: 10701461
Signed: Wes Davis
Report Date: 20 Oct 2023

CONSTRUCTION EQUIPMENT





GRAPHS

