LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR R930 056356-1716 - Hydraulic System

Sample No: LH0258969

Oil Type: LIEBHERR HYDRAULIC HVI

SAMPLEINFORMATION						
Sample Number	LH0258969	LH0258226				
Sample Date	10 Oct 2023	22 May 2023				
Machine Hours	1035	475				
Oil Hours	0	0				
Oil Changed	Not Changd	Not Changd				
Sample Status	ATTENTION	NORMAL				
A						

OIL CONDITION					
Visc @ 40°C	cSt	44.1	44.1		
Acid Number (AN)	mg KOH/g	1.22	O 1.14		
CONTAMINATION					
Particles >4μm		31586	○ 3061		
Particles >6µm		5791	509		
Particles >14μm		142	O 52		
ISO 4406:1999 (c)		22/20/14	19/16/13		
Silicon	ppm	7	3		
Sodium	ppm	2	O 2		
Potassium	ppm	0	O 0		

WEA	R METALS			
Iron	ppm	10	8	
Copper	ppm	10	3	
Lead	ppm	() <1	O <1	
Tin	ppm	0	O 0	
Aluminum	ppm	0 <1	1	
Chromium	ppm	2	O 0	
Molybdenum	ppm	0	0 0	
Nickel	ppm	0	O 0	
Titanium	ppm	0	0	
Silver	ppm	0	0	
Manganese	ppm	0	O <1	
Vanadium	ppm	0	<1	

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ADDITIVES					
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Calcium	ppm	1313	1509		
Magnesium	ppm	27	O 0		
Zinc	ppm	676	○ 738		
Phosphorus	ppm	583	O 623		
Barium	ppm	0	O 0		
Boron	ppm	0	0		



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

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Diagnosis

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.All component wear rates are normal. There is a moderate amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Depot:ACEMANUnique No:10735965Signed:Angela BorellaReport Date:10 Nov 2023

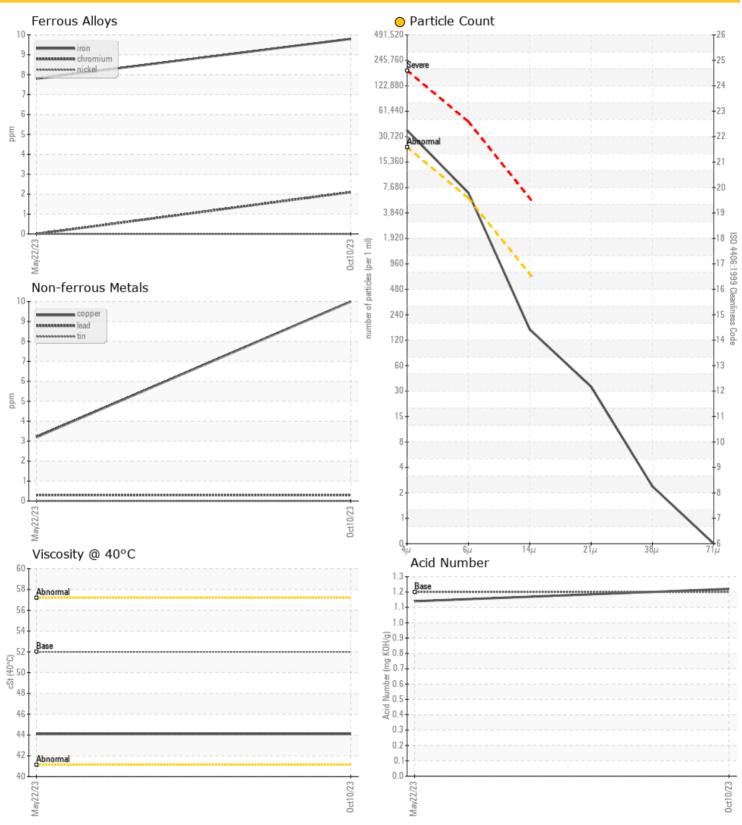
LIEBHERR







GRAPHS



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