

LIEBHERR PR766 027905-1681 - Hydraulic System

Sample No: LH0254250

Oil Type: AW HYDRAULIC OIL ISO 68

SAMPLE INFORMATION

Sample Number	LH0254250	LH0254466	LH0254460			
Sample Date	14 Mar 2024	15 Feb 2024	13 Feb 2024			
Machine Hours	1016	301	346			
Oil Hours	1016	301	346			
Oil Changed	Not Changd	Not Changd	Not Changd			
Sample Status	ABNORMAL	NORMAL	NORMAL			

Visc @ 40°C	cSt	0 47.6	0 47.1	0 47.0	
Acid Number (AN)	mg KOH/g	0 1.30	0 1.30	1.26	

Water	%	NEG	NEG	NEG	
Particles >4µm			0 9594	6623	
Particles >6µm			1368	2274	
Particles >14µm			080	0 145	
ISO 4406:1999 (c)			20/18/13	20/18/14	
Silicon	ppm	06	07	○ 5	
Sodium	ppm	02	3	0	
Potassium	ppm	0 🔘	0	04	

WEAR METALS

Iron	ppm	04	03	2	
Copper	ppm	06	○ 5	03	
Lead	ppm	0 🔘	○ <1	◯ <1	
Tin	ppm	◯ <1	0	0	
Aluminum	ppm	○ <1	0	0 1	
Chromium	ppm	0 (0 0	○ <1	
Molybdenum	ppm	0 🔘	0	0	
Nickel	ppm	0 🔘	0	0	
Titanium	ppm	0	<1	0	
Silver	ppm	0	0	0	
Manganese	ppm	○ <1	<1	0	
Vanadium	ppm	0	0	0	

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Calcium	ppm	O 1132	1224	1286		
Magnesium	ppm	○ 7	1	8		
Zinc	ppm	 661	601	706		
Phosphorus	ppm	<u> </u>	577	608		
Barium	ppm	0	0	3		
Boron	ppm	0	0	0		



HEAVY MACHINES INC.

3930 EAST RAINES RD MEMPHIS, TN US 38118 Contact: J. DAVIS JDAVIS@HEAVY.LLC.COM T: F: (901)260-2245

Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. Additive levels indicate the addition of a different brand, or type of oil. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

Depot: LEC0051 Unique No: 10937742 Signed: Jonathan Hester **Report Date:** 25 Mar 2024

Report Id: LEC0051 [WUSCAR] 06123591 (Generated: 03/25/2024 09:16:24) Rev: 1

Contact/Location: J. DAVIS - LEC0051

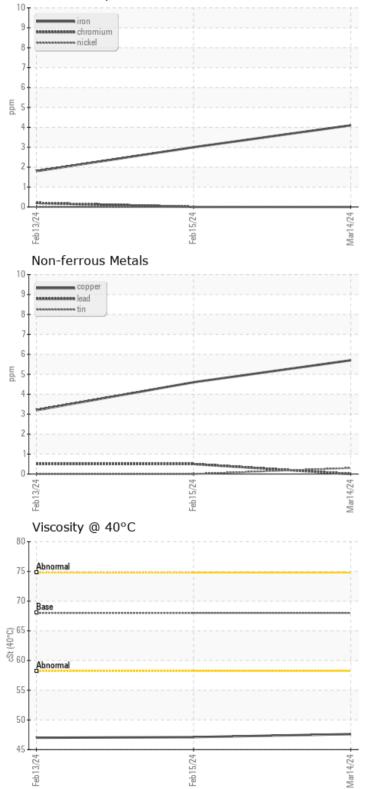


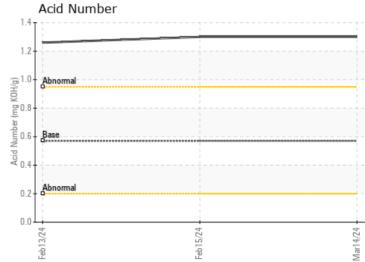


GRAPHS

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