LIEBHERR





LIEBHERR LTM1090-4.2 089274 - Hydraulic System

Sample No: LH0258660

Oil Type: LIEBHERR HYDRAULIC 37

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U Samp	le Inform	ation		
Sample Number		LH0258660	 	
Sample Date		28 May 2024	 	
Machine Hours		20437	 	
Oil Hours		0	 	
Oil Changed		Changed	 	
Sample Status		ABNORMAL	 	
Oil Co	ndition			
Visc @ 40°C	cSt	○ 35.2	 	
Acid Number (AN)	mg KOH/g	0.25	 	
Conta	mination			
Water	%	NEG	 	
Particles >4µm		39815	 	
Particles >6µm		<u> </u>	 	
Particles >14µm		O 1917	 	
ISO 4406:1999 (c)		22/21/18	 	
Silicon	ppm	2	 	
Sodium	ppm	2	 	
Potassium	ppm	<1	 	
Wear	Metals			
Iron	ppm	3	 	
Copper	ppm	3	 	
Lead	ppm	2	 	
Tin	ppm	O <1	 	
Aluminum	ppm	0	 	
Chromium	ppm	○ <1	 	
Molybdenum	ppm	0	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	() <1	 	

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Diagnosis

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. The AN level is acceptable for this fluid. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot:LIENEWUnique No:11062857Signed:Wes DavisReport Date:06 Jun 2024

Contact/Location: CHRIS JONES - LIENEW

96

3

283

241

 \bigcirc 0

0

Vanadium

Calcium

Zinc

Barium

Boron

Magnesium

Phosphorus

ppm

ppm

ppm

ppm

ppm

ppm

ppm

Additives

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CONSTRUCTION EQUIPMENT





Graphs

