LIEBHERR

CONSTRUCTION EQUIPMENT



LIEBHERR LH40 ML13 - Hydraulic System

Sample No: LH0244805

Oil Type: AW HYDRAULIC OIL ISO 68

-					
Samp	le Inform	ation			
Sample Number		LH0244805	LHMC122823	LHMC103201	
Sample Date		23 Apr 2024	04 Aug 2023	11 May 2023	
Machine Hours		13598	12102	11583	
Oil Hours		0	0	0	
Oil Changed		Not Changd	N/A	Not Changd	
Sample Status		NORMAL	NORMAL	NORMAL	
		NOTIMAL	TVOTTIVIALE	TVOTTIVIAL	
Oil Co	ndition				
Visc @ 40°C	cSt	54.4	O 55.5		
Acid Number (AN)	mg KOH/g	0.60	0.53	0.52	
Conta	mination	•			
Nater	%	NEG	NEG	NEG	
Particles >4µm		1174	O 16022	2581	
Particles >6µm		180	2974	474	
Particles >14µm		13	O 99	○ 32	
SO 4406:1999 (c)		17/15/11	21/19/14	19/16/12	
Silicon	ppm	2	O 1	O <1	
Sodium	ppm	0 <1	02	O 0	
Potassium	ppm	2	O <1	O <1	
Wear	Metals	9	○ 8	O 7	
Copper	ppm	0 4	3	0 3	
Lead		0 2	O <1	0 <1	
⊥eau Tin	ppm	01	00	00	
Aluminum	ppm	0 2	00	0 0	
Chromium	ppm			<u> </u>	
	ppm	2	0 <1	0 <1	
Molybdenum Nickel	ppm	01	0 <1	0 0	
	ppm	01	0	0	
Titanium	ppm	<1	0	0	
Silver	ppm	<1	0	0	
Manganese	ppm	01	0 0	0	
/anadium	ives	<1	0	0	
Calcium	ppm	279	O 283	O 311	
Magnesium	ppm	3	0 <1	0 2	
Zinc	ppm	481	O 519	Q 486	
Phosphorus	ppm	387	390	370	
Barium		○ <1	0 0	0 0	
	ppm				
Boron	ppm	0	O 0	O 0	

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F: x:

Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. 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:OSCLAFUnique No:10995194Signed:Wes DavisReport Date:25 Apr 2024

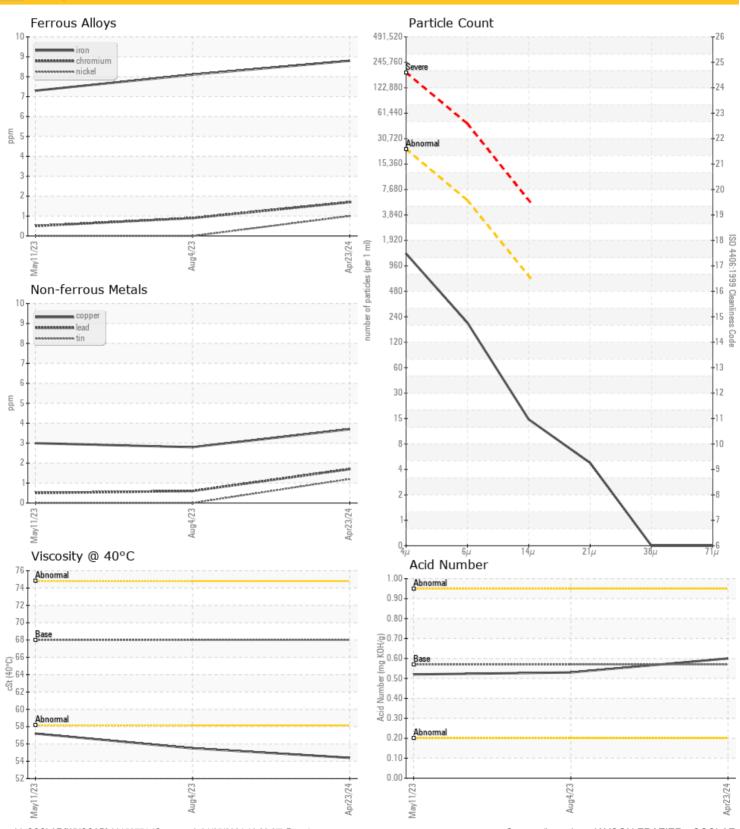
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Graphs



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Contact/Location: JAYSON FRAZIER - OSCLAF