

LIEBHERR R938 050886-1650 - Hydraulic System

Sample No: LH0258963

Oil Type: LIEBHERR HYDRAULIC HVI

SAMPLE INFORMATION

Sample Number	LH0258963	LH0243979	
Sample Date	09 Aug 2023	31 Jan 2023	
Machine Hours	1993	575	
Oil Hours	0	0	
Oil Changed	Not Changd	Not Changd	
Sample Status	ABNORMAL	NORMAL	

DIL CONDITION	
°C cSt 0 41.7 0 44.2	
Der (AN) mg KOH/g 0 1.17	

CONT	TAMIN	ATION		
Particles >4µm		0 46388	0 18439	
Particles >6µm		0 10916	0 2284	
Particles >14µm		0 425	0 46	
ISO 4406:1999 (c))	23/21/16	21/18/13	
Silicon	ppm	8	0 4	
Sodium	ppm	3	01	
Potassium	ppm	0 2	0 1	

WEAR METALS

		-		
Iron	ppm	0 16	9	
Copper	ppm	07	0 4	
Lead	ppm	01	○ <1	
Tin	ppm	0 🔘	0	
Aluminum	ppm	0 2	○ <1	
Chromium	ppm	○ <1	○ <1	
Molybdenum	ppm	0 🔘	0	
Nickel	ppm	0 🔘	0	
Titanium	ppm	0	0	
Silver	ppm	0	<1	
Manganese	ppm	○ <1	◯ <1	
Vanadium	ppm	0	0	

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	0	0		

	DITIVES			
Calcium	ppm	🔘 1859	0 1244	
Magnesium	ppm	8 🔘	0 4	
Zinc	ppm	993	663	
Phosphorus	ppm	0 821	○ 560	
Barium	ppm	0	0	
Boron	ppm	0 🔘	0	





M&F CONCRETE PRODUCTS CO 4002 CATLETT RD CATLETT, VA US 20119 Contact: Service Manager

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Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of silt (particulates < 14 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.

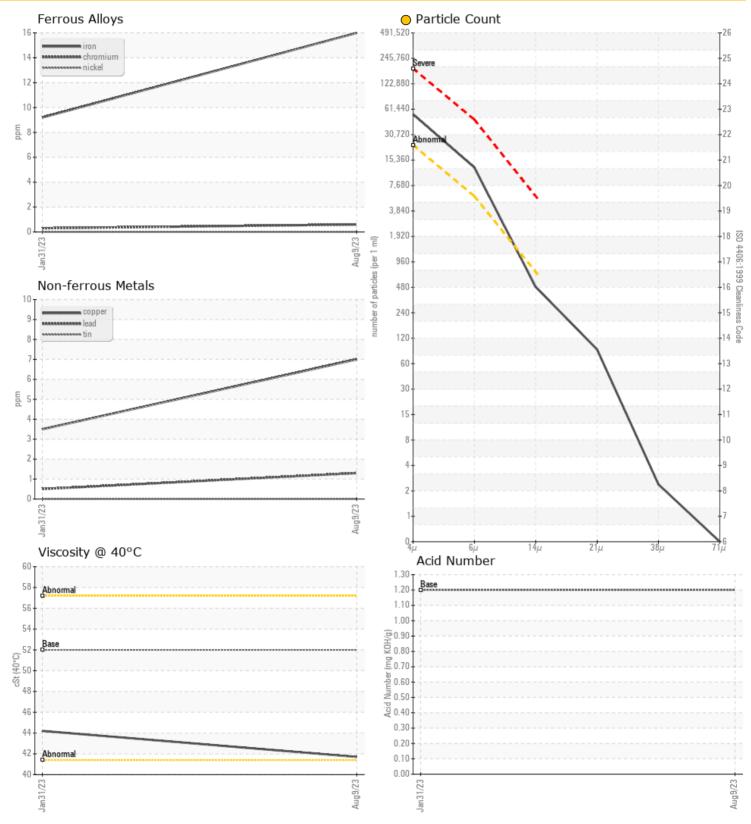
Depot:	MECCAT
Unique No:	10608705
Signed:	Wes Davis
Report Date:	21 Aug 2023

CONSTRUCTION EQUIPMENT



GRAPHS

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Report Id: MECCAT [WUSCAR] 05928758 (Generated: 08/21/2023 15:53:49) Rev: 1

Contact/Location: Service Manager - MECCAT