CONSTRUCTION EQUIPMENT

- Hydraulic System

Sample No: LH0220983 Oil Type: {unknown}

Sample Information

Sample Number	LH0220983	LH0220980	LH0220759	
Sample Date	15 May 2024	24 Jul 2023	19 Aug 2022	
Machine Hours	2940	2006	995	
Oil Hours	0	0	0	
Oil Changed	Not Changd	Not Changd	Not Changd	
Sample Status	SEVERE	ABNORMAL	ABNORMAL	

Oil Co	ndition				
Visc @ 40°C	cSt	41.2	◯ 41.3	41.3	
Acid Number (AN)	mg KOH/g	0.53	0.65	0.99	

Contamination						
Water	%	NEG	NEG	NEG		
Particles >4µm		0 395	2491	969		
Particles >6µm		074	873	0 150		
Particles >14µm		08	0 84	0 17		
ISO 4406:1999 (c)		16/13/10	18/17/14	17/14/11		
Silicon	ppm	04	3	6		
Sodium	ppm	04	○ <1	01		
Potassium	ppm	0 0	01	○ <1		

Wear Metals

- **1**

Iron	ppm	🛑 199	08 (0 75	
Copper	ppm	0 4	03	03	
Lead	ppm	0 (○ <1	◯ <1	
Tin	ppm	0 🔘	0 🔾	○ <1	
Aluminum	ppm	○ <1	○ <1	2	
Chromium	ppm	0 2	0 1	01	
Molybdenum	ppm	2	2	<1	
Nickel	ppm	0 🔘	○ <1	0	
Titanium	ppm	<1	<1	0	
Silver	ppm	<1	0	<1	
Manganese	ppm	3	1	2	
Vanadium	ppm	<1	0	<1	

Additives

Calcium	ppm	474	477	1094	
Magnesium	ppm	17	18	5	
Zinc	ppm	480	509	640	
Phosphorus	ppm	401	407	527	
Barium	ppm	0	0	0	
Boron	ppm	2	4	3	





WIMME SAND AND GRAVEL PO BOX 195

PLOVER, MI US 54467 Contact: Service Manager

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Diagnosis

We recommend you service the filters on this component. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. The iron level is severe. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid.

Depot:WIMPLOUnique No:11046474Signed:Jonathan HesterReport Date:30 May 2024

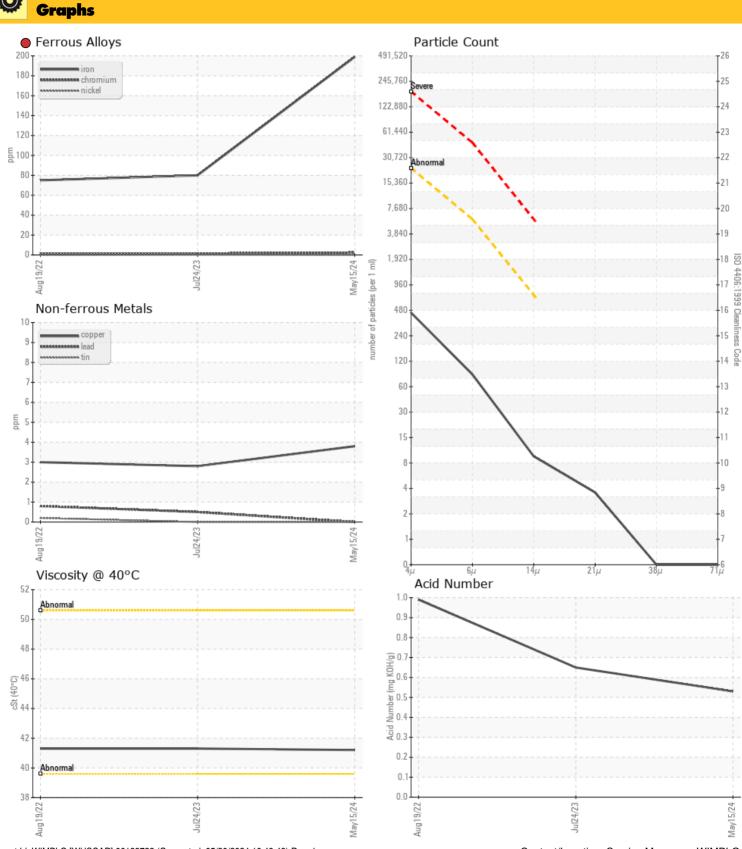
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Contact/Location: Service Manager - WIMPLO









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