CONSTRUCTION EQUIPMENT

MS20 - Hydraulic System

{unknown}

Sample No: LH0244827

Oil Type:

SAMPLE INFORMATION

0 35.1

0.97

Sample Number	LH0244827	LH0244842	
Sample Date	09 Mar 2024	14 Dec 2023	
Machine Hours	4046	3388	
Oil Hours	4046	0	
Oil Changed	Not Changd	Not Changd	
Sample Status	NORMAL	ABNORMAL	

0 35.0

0.88

OIL CC	NDITION
Visc @ 40°C	cSt

Acid Number (AN) mg KOH/g

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Water	%	NEG	NEG		
Particles >4µm		0 1609			
Particles >6µm		0 379			
Particles >14µm		0 16			
ISO 4406:1999 (c)		18/16/11			
Silicon	ppm	3	2		
Sodium	ppm	8	07		
Potassium	ppm	02	0		

WEAR METALS

Iron	ppm	8 🔘	07	
Copper	ppm	06	0 6	
Lead	ppm	03	0 1	
Tin	ppm	03	○ <1	
Aluminum	ppm	○ <1	0	
Chromium	ppm	01	○ <1	
Molybdenum	ppm	<1	0	
Nickel	ppm	01	0	
Titanium	ppm	<1	<1	
Silver	ppm	0	<1	
Manganese	ppm	<1	<1	
Vanadium	ppm	<1	0	

ADDITIVES

Calcium	ppm	1041	1047		
Magnesium	ppm	4	0		
Zinc	ppm	612	625		
Phosphorus	ppm	512	517		
Barium	ppm	<1	0		
Boron	ppm	<1	0		





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Diagnosis

Resample at the next service interval to monitor. Please specify the component make and model with your next sample. 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.

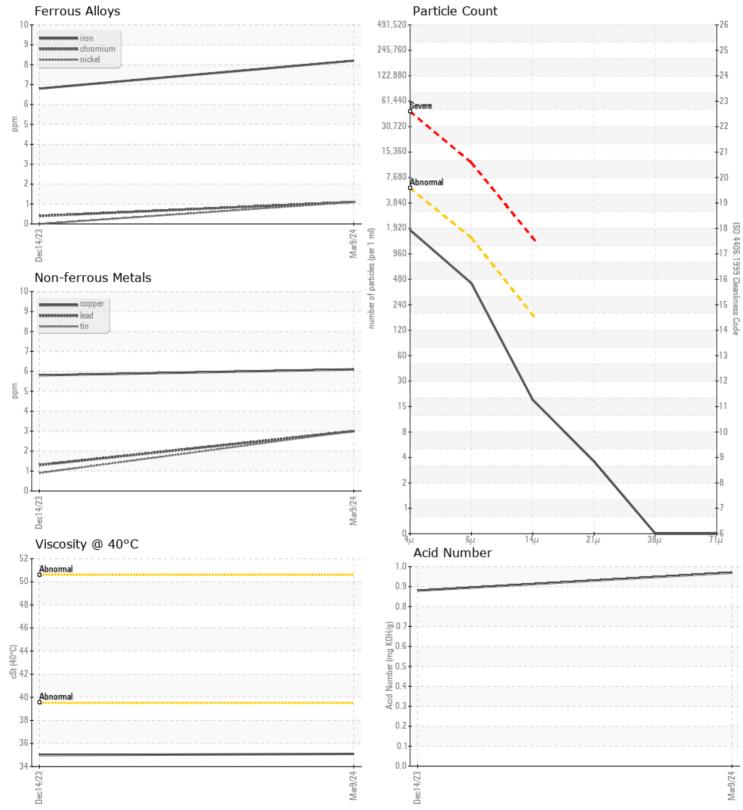
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LEBHERR CONSTRUCTION EQUIPMENT



GRAPHS

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