CONSTRUCTION EQUIPMENT

[[S20230805022101]] LIEBHERR TA230 4161 - Hydraulic Syst

Sample No: LH06059246

Oil Type: AW HYDRAULIC OIL ISO 68

SAMPLE INFORMATION

LH06059246 29 Dec 2023

2804

Changed ATTENTION

0 46.9

0 1.04

0

Sample Number				
Sample Date				
Machine Hours				
Oil Hours				
Oil Changed				
Sample Status				

۵	OIL C	ONDITION
Visc @	40°C	cSt

Acid Number (AN) mg KOH/g

CO	NTA	MIN	IATIO	N

Water	%	NEG	 	
Particles >4µm		9039	 	
Particles >6µm		0 1220	 	
Particles >14µm		0 37	 	
ISO 4406:1999 (c)		20/17/12	 	
Silicon	ppm	06	 	
Sodium	ppm	3	 	
Potassium	ppm	0 ()	 	

	R MEIALS			
Iron	ppm	3	 	
Copper	ppm	02	 	
Lead	ppm	02	 	
Tin	ppm	0	 	
Aluminum	ppm	0	 	
Chromium	ppm	0 🔘	 	
Molybdenum	ppm	0	 	
Nickel	ppm	0 🔘	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

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	TIVES			
Calcium	ppm	0 2015	 	
Magnesium	ppm	6	 	
Zinc	ppm	922	 	
Phosphorus	ppm	0 777	 	
Barium	ppm	0	 	
Boron	ppm	0 29	 	



HEAVY MACHINES INC.

3930 EAST RAINES RD MEMPHIS, TN US 38118 Contact: J. DAVIS JDAVIS@HEAVY.LLC.COM T: F: (901)260-2245

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. There is no indication of any contamination in the oil. Viscosity of sample indicates oil is within ISO 46 range, advise investigate. Confirm oil type. The AN level is acceptable for this fluid.

 Depot:
 LEC0051

 Unique No:
 10830628

 Signed:
 Don Baldridge

 Report Date:
 15 Jan 2024

Report Id: LEC0051 [WUSCAR] 06059246 (Generated: 01/15/2024 12:11:58) Rev: 1

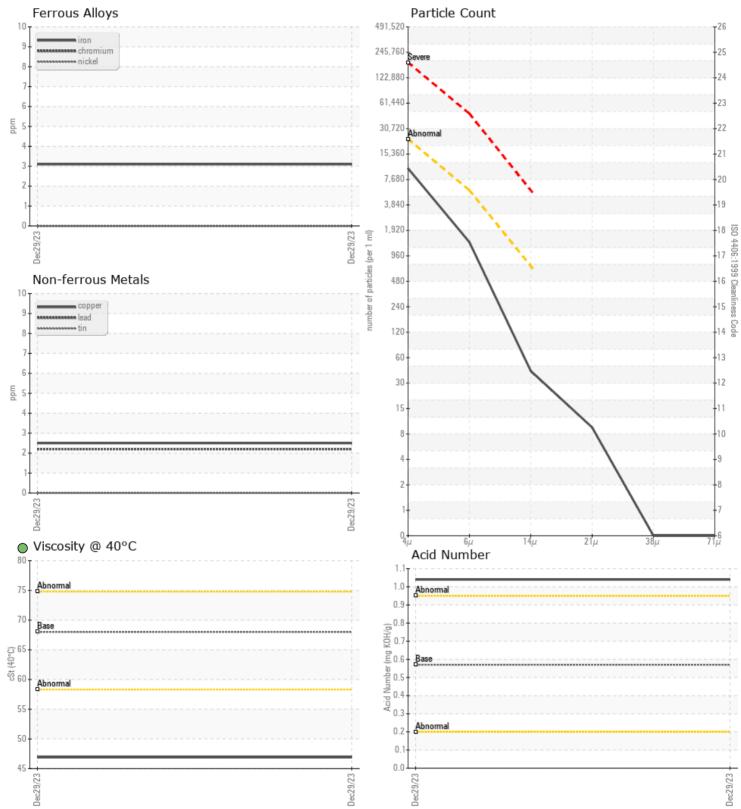
Contact/Location: J. DAVIS - LEC0051

LEBHERR CONSTRUCTION EQUIPMENT



GRAPHS

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Contact/Location: J. DAVIS - LEC0051