# **CONSTRUCTION EQUIPMENT**

## [[\$20230323031207]] LIEBHERR TA2307369 - Front Final Di

Sample No: LH06059586

Oil Type: GEAR OIL SAE 80W90

## **SAMPLE INFORMATION**

LH06059586

29 Dec 2023 2227

Changed ABNORMAL

0

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

le Status

#### **OIL CONDITION**

Visc @ 40°C

## cSt **63.8**

	NTAMINA	TION		
Water	%	NEG	 	
Silicon	ppm	0 15	 	
Sodium	ppm	0 16	 	
Potassium	ppm	0 2	 	

Ä				
WEA	R METALS			
Iron	nnm	0 173	 	
-	ppm	•	 	
Copper	ppm	<u> </u>	 	
Lead	ppm	<mark></mark> <1	 	
Tin	ppm	<b>4</b>	 	
Aluminum	ppm	02	 	
Chromium	ppm	02	 	
Molybdenum	ppm	<b>○</b> <1	 	
Nickel	ppm	07	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	<b>35</b>	 	
Vanadium	ppm	0	 	

ADDITIVES

Calcium	ppm	<b>O</b> 3653			
Magnesium	ppm	09			
Zinc	ppm	0 1538			
Phosphorus	ppm	0 1238			
Barium	ppm	04			
Boron	ppm	0 133			



## HEAVY MACHINES INC.

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

### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor.The copper level is abnormal. All other component wear rates are normal. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Depot:	LEC0051
Unique No:	10830968
Signed:	Jonathan Hester
Report Date:	16 Jan 2024

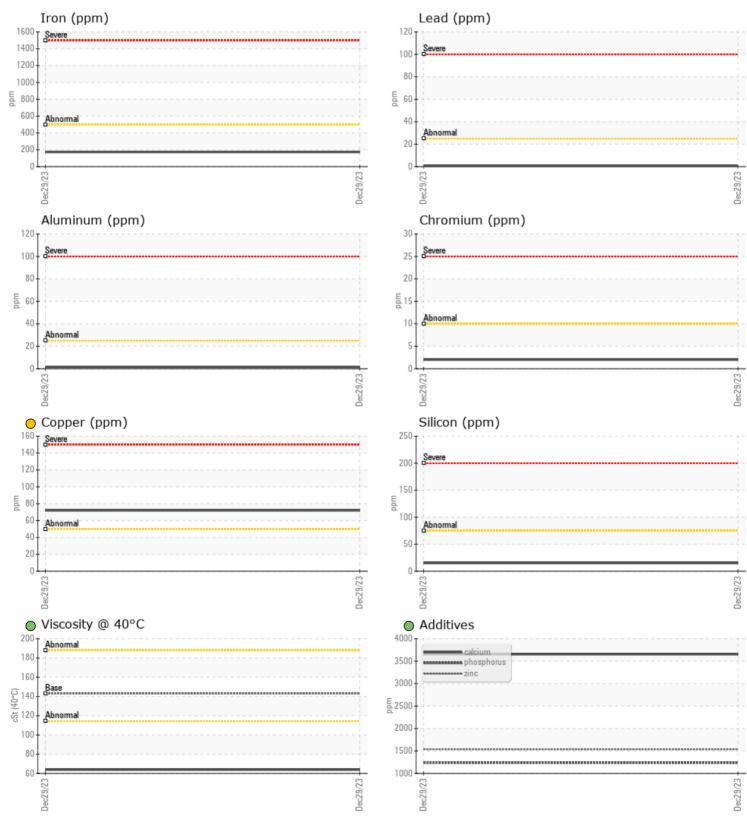
Contact/Location: J. DAVIS - LEC0051





GRAPHS

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Report Id: LEC0051 [WUSCAR] 06059586 (Generated: 01/16/2024 10:09:28) Rev: 1

Contact/Location: J. DAVIS - LEC0051