# **CONSTRUCTION EQUIPMENT**

#### [[\$20230323024150]] LIEBHERR TA2307369 - Front Rear Fin

Sample No: LH06059585

Oil Type: GEAR OIL SAE 80W90

### **SAMPLE INFORMATION**

LH06059585

29 Dec 2023 2227

ABNORMAL

0

N/A

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

**OIL CONDITION** 

Visc @ 40°C

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### cSt 0 62.7

Water	%	NEG			
Silicon	ppm	0 11			
Sodium	ppm	0 15			
Potassium	ppm	0 2			

WEA	R METAL	S		
Iron	ppm	92	 	
Copper	ppm	<mark>()</mark> 62	 	
Lead	ppm	<b>○</b> <1	 	
Tin	ppm	0 2	 	
Aluminum	ppm	02	 	
Chromium	ppm	01	 	
Molybdenum	ppm	02	 	
Nickel	ppm	06	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	0 17	 	
Vanadium	ppm	0	 	

ADDITIVES

	IIVES			
Calcium	ppm	0 3552	 	
Magnesium	ppm	08	 	
Zinc	ppm	0 1511	 	
Phosphorus	ppm	0 1240	 	
Barium	ppm	0 4	 	
Boron	ppm	0 131	 	



## 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:	10830967
Signed:	Jonathan Hester
Report Date:	16 Jan 2024

Report Id: LEC0051 [WUSCAR] 06059585 (Generated: 01/16/2024 10:09:18) Rev: 1

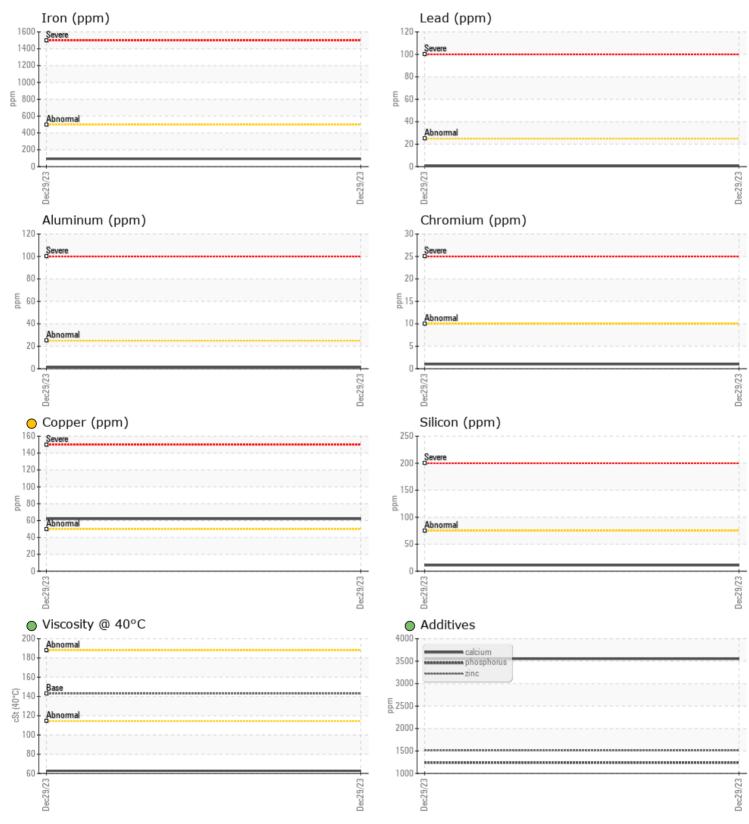
Contact/Location: J. DAVIS - LEC0051





GRAPHS

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Report Id: LEC0051 [WUSCAR] 06059585 (Generated: 01/16/2024 10:09:21) Rev: 1

Contact/Location: J. DAVIS - LEC0051