## LIEBHERR

**CONSTRUCTION EQUIPMENT** 

### LIEBHERR PR716LGP 019319-1423 - Right Final Drive

Sample No: LH0258401

Oil Type: CHEVRON DELO GEAR ESI OIL 80W90

Ō SAM	PLE INF	ORMATION					
Sample Number		LH0258401					
Sample Date		21 Feb 2024					
Machine Hours		1477					
Oil Hours		1000					
Oil Changed		Changed					
Sample Status		ABNORMAL					
Visc @ 40°C	cSt	<b>ON</b> <a>○ 314</a>					
CONTAMINATION							
Water	%	NEG					
Silicon	ppm	<b>4</b>					
Sodium	ppm	<b>3</b>					
Potassium	ppm	<b>5</b>					

WEA	RMETALS			
Iron	ppm	<b>97</b>	 	
Copper	ppm	<b>166</b>	 	
Lead	ppm	<b>()</b> <1	 	
Tin	ppm	<b>3</b>	 	
Aluminum	ppm	<b>3</b>	 	
Chromium	ppm	<b>()</b> <1	 	
Molybdenum	ppm	<b>()</b> <1	 	
Nickel	ppm	<b>()</b> <1	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	<b>2</b>	 	
Vanadium	ppm	0	 	

Vanadium	ppm	0	 	
0				
ADD	ITIVES			
Calcium	ppm	<b>33</b>	 	
Magnesium	ppm	<b>3</b>	 	
Zinc	ppm	<b>56</b>	 	
Phosphorus	ppm	<b>1247</b>	 	
Barium	ppm	<b>63</b>	 	
Boron	ppm	<b>4</b>	 	



#### **HEAVY MACHINES INC**

7651 THEODORE DAWES RD THEODORE, AL US 36582

Contact: DAVID MIANO

dmiano@heavymachinesinc.com

T: x: F: x:

#### Diagnosis

The oil change at the time of sampling has been noted. 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 higher than normal. Confirm oil type.

Depot: HEATHE
Unique No: 10913210
Signed: Jonathan Hester
Report Date: 08 Mar 2024

# CONSTRUCTION EQUIPMENT







#### **GRAPHS**

