CONSTRUCTION EQUIPMENT



LIEBHERR RAD 1100 0000214-159 - Final Drive

Sample No: LHMC129568

Oil Type: GEAR OIL ISO 320

Sample Information

Sample Number	LHMC129568	 	
Sample Date	01 Apr 2024	 	
Machine Hours	3114	 	
Oil Hours	0	 	
Oil Changed	N/A	 	
Sample Status	NORMAL	 	

Oil Condition

Visc @ 40°C

cSt

285

Contamination									
Water	%	NEG							
Silicon	ppm	0 10							
Sodium	ppm	0 12							
Potassium	ppm	0 47							

\odot **Wear Metals** ppm 256 Iron Copper 011 ppm Lead 02 ppm Tin ○ <1 ppm Aluminum ppm ○ <1 Chromium ppm 02 Molybdenum **○** <1 ppm Nickel ppm ○ <1 Titanium ppm <1 Silver <1 ppm Manganese 3 ppm ppm <1

Vanadium

Addit	ives			
Calcium	ppm	O 121	 	
Magnesium	ppm	0	 	
Zinc	ppm	0 10	 	
Phosphorus	ppm	380	 	
Barium	ppm	0	 	
Boron	ppm	3 9	 	

LIEBHERR MINING EQUIPMENT CO

5800 S DOUGLAS HWY GILLETTE, WY US 82718 Contact: DUSTIN HARDEN DUSTIN.HARDEN@LIEBHERR.COM T: (307)660-8763 F:

Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

 Depot:
 LIEGIL

 Unique No:
 11033415

 Signed:
 Sean Felton

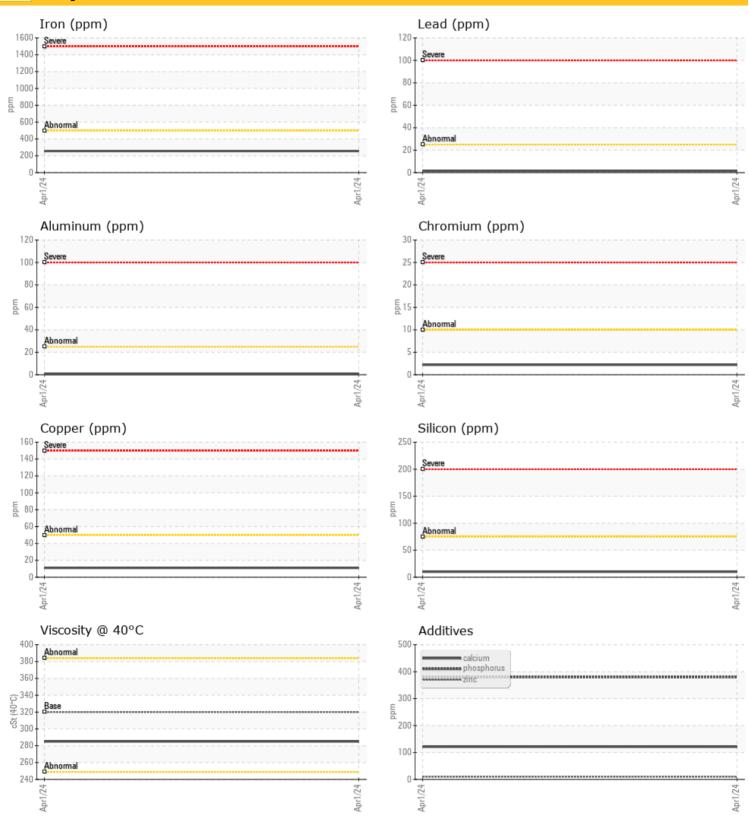
 Report Date:
 20 May 2024

 Contact/Location: DUSTIN HARDEN - LIEGIL





Graphs



Contact/Location: DUSTIN HARDEN - LIEGIL