



LIEBHERR RAD 1100 159-0000008 - Final Drive

Sample No: LHMC129549

Oil Type: GEAR OIL ISO 320

SAMPLE INFORMATION

Sample Number	LHMC129549
Sample Date	18 Sep 2023
Machine Hours	7599
Oil Hours	0
Oil Changed	N/A
Sample Status	NORMAL

OIL CONDITION

Visc @ 40°C

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cSt **286**

Silicon	ppm	0 11			
Sodium	ppm	0			
Potassium	ppm	3			

WEA	IR METAI	LS		
Iron	ppm	0 128	 	
Copper	ppm	0 10	 	
Lead	ppm	 <1	 	
Tin	ppm	○ <1	 	
Aluminum	ppm	01	 	
Chromium	ppm	<mark></mark> <1	 	
Molybdenum	ppm	○ <1	 	
Nickel	ppm	01	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	01	 	
Vanadium	ppm	0	 	



ADDITIVES

Calcium	ppm	0 136	 	
Magnesium	ppm	0	 	
Zinc	ppm	8	 	
Phosphorus	ppm	0 371	 	
Barium	ppm	0	 	
Boron	ppm	0 46	 	

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. Please specify the brand, type, and viscosity of the oil on your next sample.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:	10713948
Signed:	Sean Felton
Report Date:	30 Oct 2023

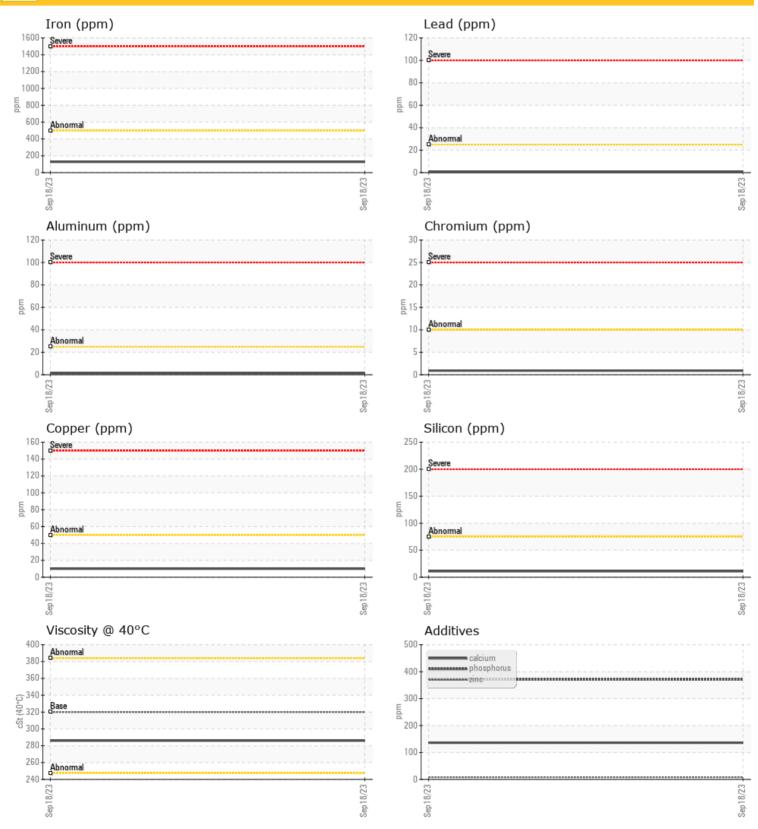
Contact/Location: DUSTIN HARDEN - LIEGIL





GRAPHS

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Report Id: LIEGIL [WUSCAR] 05991286 (Generated: 10/30/2023 15:21:00) Rev: 1

Contact/Location: DUSTIN HARDEN - LIEGIL