



[[HAWAIIAN CEMENT]] LIEBHERR R9150B 45.1992301 (S/N 38178) - Splitter Box

Sample No: LH0267636

Oil Type: BP ENERGEAR HYPO 80W90

Sample NumberLH0267636------Sample Date04 Dec 2023------Machine Hours424------Oil Hours424------Oil ChangedChanged------Sample StatusNORMAL------OIL CONDITION

Visc @ 40°C

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Water	%	NEG					
Silicon	ppm	04					
Sodium	ppm	0 🔘					
Potassium	ppm	○ <1					

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	AR META	16		
Iron	ppm	0 16	 	
Copper	ppm	0	 	
Lead	ppm	0	 	
Tin	ppm	0	 	
Aluminum	ppm	3	 	
Chromium	ppm	0 (
Molybdenum	ppm	0	 	
Nickel	ppm	0	 	
Titanium	ppm	4	 	
Silver	ppm	0	 	
Manganese	ppm	1	 	
Vanadium	ppm	0	 	

٥ **ADDITIVES** Calcium ppm 4 2 Magnesium ppm Zinc 9 ppm 285 Phosphorus ppm Barium 0 ppm Boron ppm 2

LIEBHERR MINING EQUIPMENT CO

5800 S DOUGLAS HWY GILLETTE, WY US 82718 Contact: SCOTT BRADLEY scott.bradley@liebherr.com T: 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:	10781664
Signed:	Sean Felton
Report Date:	14 Dec 2023

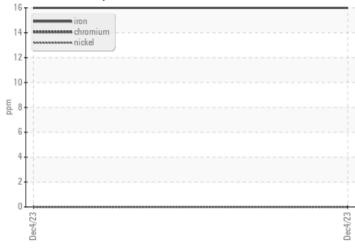
Contact/Location: SCOTT BRADLEY - LIEGIL

LEBHERR CONSTRUCTION EQUIPMENT



GRAPHS

Ferrous Alloys



Non-ferrous Metals

