# CONSTRUCTION EQUIPMENT



### [[HAWAIIAN CEMENT]] LIEBHERR R9150B 45.1992301 (S/N 38178) - Hydraulic System

Sample No: LH0267638

Oil Type: CHEVRON DELO 400 MULTIGRADE 15W40

5				
U SAME	PLE INFOR	MATION		
Sample Number		LH0267638	 	
Sample Date		04 Dec 2023	 	
Machine Hours		424	 	
Oil Hours		424	 	
Oil Changed		Not Changd	 	
Sample Status		NORMAL	 	
OH CO	ONDITION	•		
Visc @ 40°C	cSt	<b>82.4</b>	 	
Acid Number (AN)	mg KOH/g	<b>1.57</b>	 	
CONT	AMINATI	ION		
Water	%	NEG	 	
Particles >4µm	,,,	<b>762</b>	 	
Particles >6µm		<b>91</b>	 	
Particles >14µm		08	 	
ISO 4406:1999 (c)		17/14/10	 	
Silicon	ppm	○ 5	 	
Sodium		○ <1	 	
Potassium	ppm	01		
Ä				
WEA	R METALS			
Iron	ppm	<b>○</b> <1	 	
Copper	ppm	<b>0</b>	 	
Lead	ppm	<b>0</b>	 	
Tin	ppm	<b>0</b>	 	
Aluminum	ppm	<b>0</b>	 	
Chromium	ppm	<b>0</b>	 	
Molybdenum	ppm	7	 	
Nickel	ppm	<b>0</b> 0	 	
Titanium	ppm	<b>0</b> 0	 	
Silver	ppm	0	 	
Manganese	ppm	<b>0</b> <1	 	
Vanadium	ppm	0	 	
ADDI'				
Calcium	ppm	<b>1542</b>	 	
Magnesium	ppm	<b>636</b>	 	
Zinc	ppm	<b>836</b>	 	
Phosphorus	ppm	<b>740</b>	 	
Barium	ppm	<b>0</b> 0	 	
	1.1			

#### 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. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Depot: LIEGIL
Unique No: 10781168
Signed: Wes Davis
Report Date: 13 Dec 2023

**140** 

ppm

Boron

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### **GRAPHS**

