CONSTRUCTION EQUIPMENT



[[HAWAIIAN CEMENT]] LIEBHERR R9150B 45.1992301 (S/N 38178) - Left Final Drive

Sample No: LH0267637

Oil Type: BP ENERGEAR HYPO 80W90

<u> </u>				
SAM	PLE INFO	DRMATION		
Sample Number		LH0267637	 	
Sample Date		04 Dec 2023	 	
Machine Hours		424	 	
Oil Hours		424	 	
Oil Changed		Changed	 	
Sample Status		ATTENTION	 	
OILC	ONDITIO	ON		
Visc @ 40°C	cSt	446	 	
-1				
CONT	CAMINA	TION		
Water	%	NEG	 	
Silicon	ppm	0 4	 	
Sodium	ppm	0 0	 	
Potassium	ppm	0	 	
WEA	R META	LS	 	
Copper	ppm	○ 5 ·	 	
Lead	ppm	00	 	
Tin	ppm	O <1	 	
Aluminum	ppm	01	 	
Chromium	ppm	O <1	 	
Molybdenum	ppm	0	 	
Vickel	ppm	0 0	 	
Γitanium	ppm	3	 	
Silver	ppm	0	 	
Manganese	ppm	<1	 	
Vanadium	ppm	0	 	
ADDI	TIVES	22	 	
Magnesium	ppm	<1	 	
Zinc		0		
Phosphorus	ppm	353	 	
Barium	ppm	0	 	
Danum	ppiii	U		

LIEBHERR MINING EQUIPMENT CO

5800 S DOUGLAS HWY GILLETTE, WY US 82718

Contact: SCOTT BRADLEY scott.bradley@liebherr.com

T: F:

Diagnosis

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

Depot:LIEGILUnique No:10781651Signed:Sean FeltonReport Date:14 Dec 2023

Boron

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GRAPHS

