LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH80M 114645-1218 - Front Differential

Sample No: LH0267412

Oil Type: LIEBHERR GEAR BASIC 90 LS

SAMPLEIN	FORMATION		
Sample Number	LH0267412	LH0254319	
Sample Date	14 Sep 2023	20 Mar 2023	
Machine Hours	9586	8400	
Oil Hours	0	1000	
Oil Changed	Changed	Not Changd	
Sample Status	NORMAL	ABNORMAL	

Sample	Status		NORMAL	ABNORIVIAL	
0	OIL CO	NDITION			
Visc @	40°C	cSt	179	O 179	
-1					

CONTAMINATION								
Silicon	ppm	2	O 13					
Sodium	ppm	3	3					
Potassium	ppm	0	O 0					

WEA!	R METALS			
Iron	ppm	10	2 9	
Copper	ppm	9	08	
Lead	ppm	0	O 0	
Tin	ppm	0	0	
Aluminum	ppm	0	5	
Chromium	ppm	0	0	
Molybdenum	ppm	0	0	
Nickel	ppm	0	0	
Titanium	ppm	0	<1	
Silver	ppm	0	0	
Manganese	ppm	0 <1	1	
Vanadium	ppm	<1	0	

ADDITIVES							
Calcium	ppm	11	O 25				
Magnesium	ppm	0	O 5				
Zinc	ppm	0	0				
Phosphorus	ppm	1773	O 1387				
Barium	ppm	166	O 129				
Boron	ppm	6	O 0				



SIMS METAL MANAGEMENT
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T: (703)392-0111

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:SIMRICLHUnique No:10673813Signed:Angela BorellaReport Date:04 Oct 2023

CONSTRUCTION EQUIPMENT





GRAPHS

