



Sample No: LH0272022

Oil Type: LIEBHERR GEAR BASIC 90 LS

Sample Information

Sample Number	LH0272022	 	
Sample Date	23 Apr 2024	 	
Machine Hours	1278	 	
Oil Hours	1278	 	
Oil Changed	N/A	 	
Sample Status	ATTENTION	 	

62.2

Oil Condition

Visc @ 40°C

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	ntaminati	on		
Water	%	NEG	 	
Silicon	ppm	0 10	 	
Sodium	ppm	0 10	 	
Potassium	nnm		 	

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Wea	ır Metal	5		
Iron	ppm	0 133	 	
Copper	ppm	0 73	 	
Lead	ppm	0	 	
Tin	ppm	3	 	
Aluminum	ppm	 <1	 	
Chromium	ppm	() <1	 	
Molybdenum	ppm	0	 	
Nickel	ppm	01	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	<u> </u>	 	
Vanadium	ppm	0	 	

٥ **Additives** Calcium ppm 0 3143 Magnesium ppm 09 Zinc 0 1326 ppm Phosphorus 0 1324 ppm Barium 01 ppm 0 58 Boron ppm





LIEBHERR EQUIPMENT SOURCE

8200 FAYETTEVILLE ROAD RALEIGH, NC US 27603 Contact: Timothy Bailey timothy.bailey@liebherr.com T: F: (919)329-0084

Diagnosis

Resample at the next service interval to monitor.Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Depot:LIEBHERRNCUnique No:10996210Signed:Don BaldridgeReport Date:29 Apr 2024Submitted BLALOCK

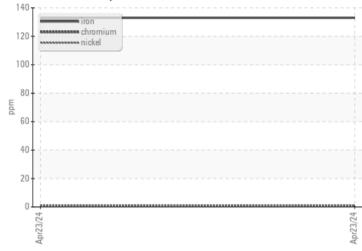
LEBHERR CONSTRUCTION EQUIPMENT



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Ferrous Alloys

Graphs



Non-ferrous Metals

