E 3 H E R R **CONSTRUCTION EQUIPMENT**



Sample No: LH0281169

Oil Type: LIEBHERR GEAR BASIC 90 LS

SAMPLE INFORMATION

Sample Number	LH0281169	 	
Sample Date	06 Dec 2023	 	
Machine Hours	2967	 	
Oil Hours	0	 	
Oil Changed	Changed	 	
Sample Status	NORMAL	 	

OIL CONDITION

0 182 cSt

1	VIS	2	æ	4U)~(
		-			

	CONTAMINATION					
Water	%	NEG				
Silicon	ppm	07				
Sodium	ppm	04				
Potassium	ppm	() <1				

Ä				
WEA	R META	LS		
Iron	ppm	0 73	 	
Copper	ppm	0 105	 	
Lead	ppm	03	 	
Tin	ppm	08	 	
Aluminum	ppm	○ <1	 	
Chromium	ppm	○ <1	 	
Molybdenum	ppm	0 🔘	 	
Nickel	ppm	○ <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	07	 	
Vanadium	ppm	0	 	

ADDITIVES					
Calcium	ppm	09			
Magnesium	ppm	○ <1			
Zinc	ppm	65			
Phosphorus	ppm	0 2328			
Barium	ppm	0			
Boron	ppm	○ <1			





Liebherr Canada

140 - 21320 Gordon Way Richmond, BC CA V6W 1J8 Contact: Kevin Steer kevin.steer@liebherr.com T: F: (604)270-3254

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:	LIERIC
Unique No:	5697811
Signed:	Wes Davis
Report Date:	21 Dec 2023

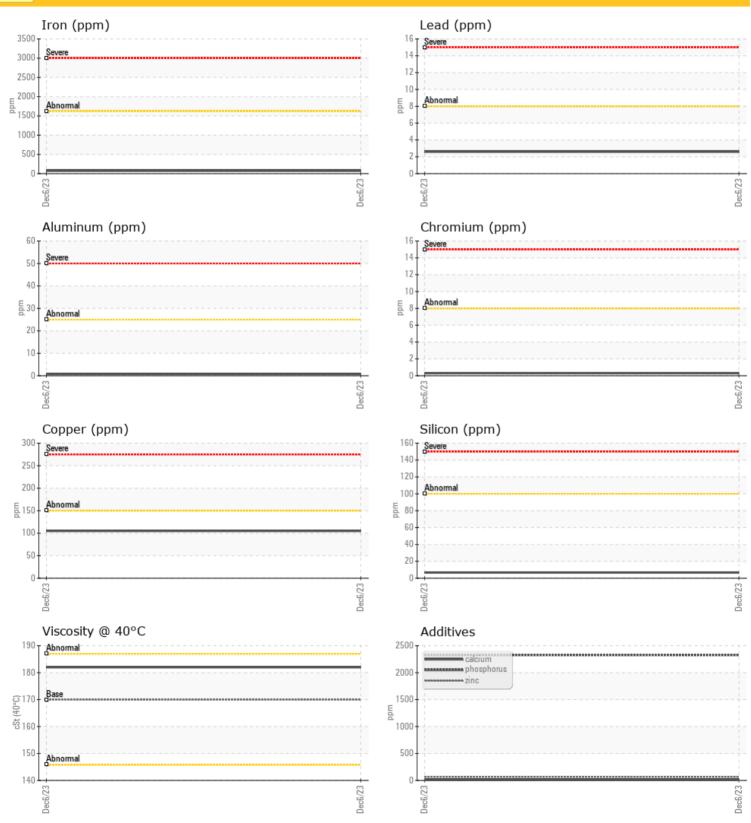
Contact/Location: Kevin Steer - LIERIC





GRAPHS

 $\overline{\mathbf{O}}$



Report Id: LIERIC [WCAMIS] 02604726 (Generated: 12/21/2023 15:25:58) Rev: 1

Contact/Location: Kevin Steer - LIERIC