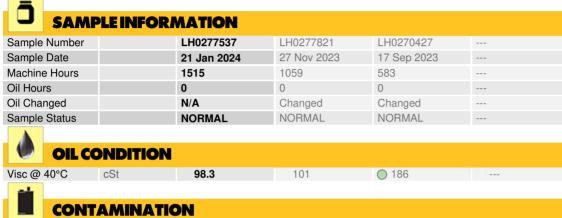
LIEBHERR

CONSTRUCTION EQUIPMENT



Sample No: LH0277537

Oil Type: GEAR OIL SAE 80W90



CONTAMINATION							
Water	%	NEG	NEG	NEG			
Silicon	ppm	O <1	O 1	3			
Sodium	ppm	 <1	O 1	6			
Potassium	ppm	1	O <1	1			

WEA	R METALS	3			
Iron	ppm	11	3 0	8 4	
Copper	ppm	○ <1	O 1	O 1	
Lead	ppm	0	O <1	O <1	
Tin	ppm	0	O 0	O 0	
Aluminum	ppm	0 <1	<1	1	
Chromium	ppm	0	O <1	1	
Molybdenum	ppm	0	0	1	
Nickel	ppm	0 <1	O <1	O 1	
Titanium	ppm	0	0	0	
Silver	ppm	0	<1	0	
Manganese	ppm	0	<1	4	
Vanadium	ppm	0	0	0	

vanadium	ppm	U	U	U			
0							
ADDITIVES							
Calcium	ppm	19	○ 31	○ 58			
Magnesium	ppm	2	O 2	1 3			
Zinc	ppm	21	○ 36	139			
Phosphorus	ppm	1282	1303	O 2362			
Barium	ppm	0	O 2	14			
Boron	ppm	311	○ 262	5			



LIEBHERR CANADA LTD.

1015 SUTTON DRIVE BURLINGTON, ON CA L7L 5Z8

Contact: Steve Lehto steve.lehto@liebherr.com

T: (905)319-9222 F: (905)319-6617

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: LIEMIS
Unique No: 5711454
Signed: Wes Davis
Report Date: 22 Jan 2024

Contact/Location: Steve Lehto - LIEMIS

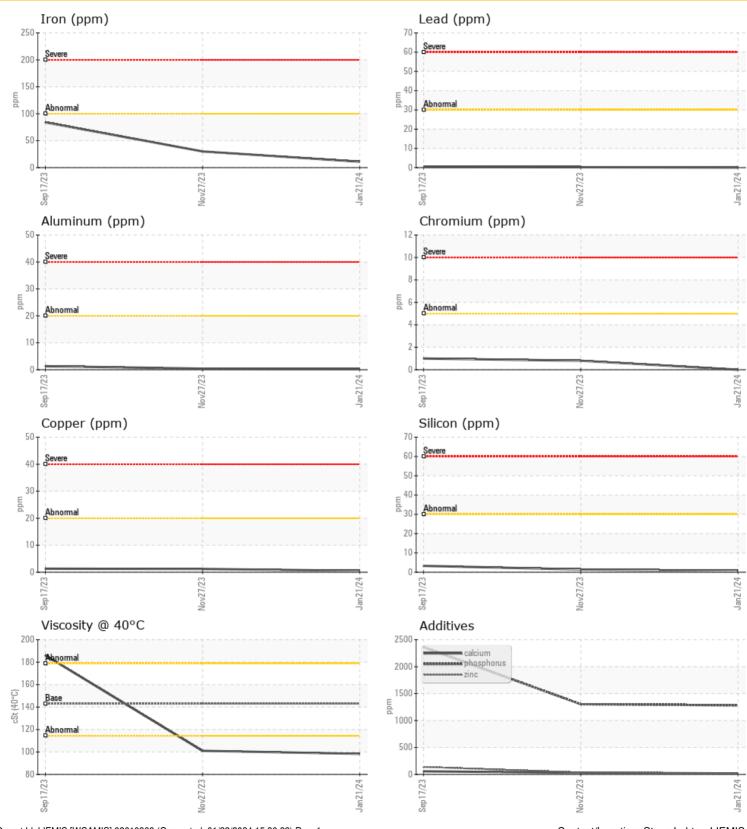
LIEBHERR

CONSTRUCTION EQUIPMENT





GRAPHS



Report Id: LIEMIS [WCAMIS] 02610368 (Generated: 01/22/2024 15:30:23) Rev: 1

Contact/Location: Steve Lehto - LIEMIS