CONSTRUCTION EQUIPMENT



LH0281446

Sample No:

Water

Oil Type: **DIESEL ENGINE OIL SAE 15W40**



SAMPLE INFORMATION Sample Number LH0281446 Sample Date 02 Jan 2024 Machine Hours 49230 Oil Hours 0 Oil Changed **Not Changd** Sample Status **NORMAL OIL CONDITION** Visc @ 100°C cSt **14.1** Oxidation (PA) 54

CONTAMINATION % NEG

Soot %	%	0	 	
Nitration (PA)	%	51	 	
Sulfation (PA)	%	53	 	
Glycol	%	NEG	 	
Fuel	%	<1.0	 	
Silicon	ppm	11	 	
Sodium	ppm	15	 	
Potassium	ppm	3	 	

(O) WEAR				
WEA	R METALS			
Iron	ppm	8	 	
Copper	ppm	37	 	
Lead	ppm	4	 	
Tin	ppm	2	 	
Aluminum	ppm	3	 	
Chromium	ppm	0 <1	 	
Molybdenum	ppm	6	 	
Nickel	ppm	0 <1	 	
Titanium	ppm	75	 	
Silver	ppm	() <1	 	
Manganese	ppm	() <1	 	
Vanadium	ppm	0	 	

Variadiani	PPIII	•						
ADDITIVES								
Calcium	ppm	1822						
Magnesium	ppm	414						
Zinc	ppm	1107						
Phosphorus	ppm	1000						
Barium	ppm	34						
Boron	ppm	128						

LIEBHERR CANADA LTD. - REMAN

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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 condition of the oil is acceptable for the time in service.

Depot: REMAN Unique No: 5707598 Signed: Kevin Marson **Report Date:** 08 Jan 2024

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GRAPHS

