LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR LH30 115463 - Hydraulic System

Sample No: LH0284045

Oil Type: LIEBHERR HYDRAULIC HVI





OIL CONDITION

CONTAMINATION								
Water	%	NEG						
Particles >4µm		2050						
Particles >6µm		411						
Particles >14µm		34						
ISO 4406:1999 (c)		18/16/12						
Silicon	ppm	0 <1						
Sodium	ppm	0						
Potassium	ppm	0<1						

₩E/	AR META	LS		
Iron	ppm	0 <1	 	
Copper	ppm	2	 	
Lead	ppm	○ <1	 	
Tin	ppm	0	 	
Aluminum	ppm	○ <1	 	
Chromium	ppm	0	 	
Molybdenum	ppm	0	 	
Nickel	ppm	0	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

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ADDITIVES							
Calcium	ppm	59					
Magnesium	ppm	 <1					
Zinc	ppm	334					
Phosphorus	ppm	268					
Barium	ppm	0					
Boron	ppm	0					





Liebherr Canada

140 - 21320 Gordon Way Richmond, BC CA V6W 1J8 Contact: Kendra Curtis

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Diagnosis

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. The fluid was specified as LIEBHERR HYDRAULIC HVI, however, a fluid match indicates that this fluid is ISO 32 AW Hydraulic Oil. Please confirm the oil type and grade on your next sample.All component wear rates are normal. The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. Viscosity of sample indicates oil is within ISO 32 range, advise investigate. This plus the additive levels indicates that this is not the same brand, or type of oil as reported. The condition of the oil is acceptable for the time in service.

Depot: LIERIC
Unique No: 5722874
Signed: Bill Quesnel
Report Date: 06 Feb 2024

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GRAPHS

