LIEBHERR

CONSTRUCTION EQUIPMENT

NO UNIT LHO285053 - Hydraulic System

Sample No: LH0285053
Oil Type: {unknown}

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SAMPLEINFORMATION						
Sample Number	LH0285053					
Sample Date	29 Jan 2024					
Machine Hours	0					
Oil Hours	0					
Oil Changed	N/A					
Sample Status	SEVERE					
OII CONDITION						

OILC	ONDITION			
Visc @ 40°C	cSt	39.1	 	
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CONTAMINATION					
Water	%	NEG			
Particles >4µm		154574			
Particles >6µm		28874			
Particles >14µm		1346			
ISO 4406:1999 (c)		24/22/18			
Silicon	ppm	2			
Sodium	ppm	() <1			
Potassium	ppm	0 1			

(O) WEA				
₩ WEA	R METALS	3		
Iron	ppm	6	 	
Copper	ppm	2	 	
Lead	ppm	0 <1	 	
Tin	ppm	0	 	
Aluminum	ppm	0 <1	 	
Chromium	ppm	○ <1	 	
Molybdenum	ppm	32	 	
Nickel	ppm	○ <1	 	
Titanium	ppm	0	 	
Silver	ppm	0	 	
Manganese	ppm	0	 	
Vanadium	ppm	0	 	

Variation	PPIII	•				
ADDI	TIVES					
Calcium	ppm	98				
Magnesium	ppm	15				
Zinc	ppm	615				
Phosphorus	ppm	500				
Barium	ppm	0				
Boron	ppm	<1				



LIEBHERR CANADA LTD.

1015 SUTTON DRIVE
BURLINGTON, ON
CA L7L 5Z8
Contact: Joseph Rodgers
joseph.rodgers@liebherr.com
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F: (905)319-6622

Diagnosis

We advise that you check all areas where contaminants can enter the system. We advise that you perform a filter service, and use off-line filtration to improve the cleanliness of the system fluid. The air breather requires service. If unrated, we recommend that you replace with a suitable micron rated and/or desiccant air breather. If rated, we recommend that you service/replace the breather. Resample in 30-45 days to monitor this situation. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.All component wear rates are normal. There is a high amount of particulates (2 to 100 microns in size) present in the oil. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot: LIEMIS
Unique No: 5721259
Signed: Bill Quesnel
Report Date: 31 Jan 2024

CONSTRUCTION EQUIPMENT





GRAPHS

