## LIEBHERR

**CONSTRUCTION EQUIPMENT** 

## LIEBHERR LH50M 144587-1216 - Hydraulic System

Sample No: LH

Oil Type: NOT GIVEN





### Industrial Metals 550 Messier St. Winnipeg, MB CA R2J 0G5

Contact: Service Manager

T: F:

Oilc	onditio	n				
Visc @ 40°C	cSt	<b>42.2</b>	<b>42.5</b>	<b>41.7</b>	○ 46.0	
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### **Contamination** Water 0.159 0.057 NEG NEG Particles >4µm **71285** 151529 23363 21447 89584 0 8769 **5908** Particles >6µm **26991** Particles >14µm **2030 7632** 770 **144** ISO 4406:1999 (c) 23/22/18 24/24/20 22/20/17 22/20/14 Silicon **4** 04 $\bigcirc$ 3 02 ppm Sodium $\bigcirc$ 2 02 ppm **2** $\bigcirc$ 2 Potassium ppm <1</p>

Wed	ar Metal:	5			
Iron	ppm	<b>1</b> 5	<b>1</b> 4	<b>1</b> 2	<b>9</b>
Copper	ppm	<b>5</b>	<b>o</b> 5	<b>3</b>	<b>4</b>
Lead	ppm	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b> 0
Tin	ppm	<b>0</b>	0	O 0	O 0
Aluminum	ppm	<b>()</b> <1	<b></b> <1	O <1	O <1
Chromium	ppm	<b>3</b>	O 2	O <1	O <1
Molybdenum	ppm	0	0	0	0
Nickel	ppm	<b>O</b> <1	<b>O</b> <1	O <1	O <1
Titanium	ppm	0	0	0	0
Silver	ppm	0	<1	<1	0
Manganese	ppm	<1	0	<1	<1
Vanadium	ppm	0	0	0	0

Manganese	ppiii	<b>\</b> 1	U	< 1	< 1			
Vanadium	ppm	0	0	0	0			
Additives								
Calcium	ppm	1139	1117	1273	1395			
Magnesium	ppm	5	4	4	4			
Zinc	ppm	724	728	722	726			
Phosphorus	ppm	627	618	673	732			
Barium	ppm	<1	<1	0	0			
Boron	ppm	1	2	1	2			

### Diagnosis

Check seals and/or filters for points of contaminant entry. We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a moderate amount of particulates (2 to 100 microns in size) present in the oil. There is a moderate concentration of water present in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: IND550WIN
Unique No: 5800526
Signed: Kevin Marson
Report Date: 21 Jun 2024

Submitted By: Bastian Firmbach

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## **Graphs**

