

### LIEBHERR LH60M 107906 - Diesel Engine

0 11.7

104

Sample No: LH

Oil Type: DIESEL ENGINE OIL

#### SAMPLE INFORMATION

Sample Number	LH	LH0250242			
Sample Date	12 Apr 2023	09 Jan 2023			
Machine Hours	3721	3715			
Oil Hours	0	0			
Oil Changed	N/A	Not Changd			
Sample Status	MARGINAL	ABNORMAL			

Visc @ 100°C Oxidation (PA)

## ation (PA) %

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Water	%	NEG	NEG		
Soot %	%	0 ()	0		
Nitration (PA)	%	130	129		
Sulfation (PA)	%	80	76		
Glycol	%	NEG	NEG		
Fuel	%	<b>0</b> 2.4	0 2.4		
Silicon	ppm	0 16	0 13		
Sodium	ppm	0 5	0 4		
Potassium	ppm	0 (	8		

0 11.5

106

#### WEAR METALS

Iron	ppm	23	0 19	 
Copper	ppm	0 16	0 15	 
Lead	ppm	04	03	 
Tin	ppm	◯ <1	○ <1	 
Aluminum	ppm	04	0 4	 
Chromium	ppm	<b>○</b> <1	○ <1	 
Molybdenum	ppm	20	0 18	 
Nickel	ppm	<b>○</b> <1	0 0	 
Titanium	ppm	<1	<1	 
Silver	ppm	◯ <1	0	 
Manganese	ppm	0 2	1	 
Vanadium	ppm	0	0	 

IVES				
ppm	0 1297	0 1273		
ppm	861	843		
ppm	958	905		
ppm	874	846		
ppm	3	2		
ppm	0 34	34		
	ppm ppm ppm ppm ppm	ppm 0 1297 ppm 861 ppm 0 958 ppm 0 874 ppm 0 3	ppm  1297  1273    ppm  861  843    ppm  958  905    ppm  874  846    ppm  3  2	ppm  1297  1273     ppm  861  843     ppm  958  905     ppm  874  846     ppm  3  2





#### LIEBHERR CANADA

10 LYNDS AVENUE MONCTON, NB CA E1H 3K2 Contact: Bryan Wood bryan.wood@liebherr.com T: F: (506)854-2940

#### Diagnosis

No corrective action is recommended at this time. Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is SAE 30 Diesel Engine Oil. Please confirm the oil type and grade, and specify the brand of the oil on your next sample.All component wear rates are normal. Light fuel dilution occurring. No other contaminants were detected in the oil. The condition of the oil is acceptable for the time in service.

Depot:LIEMONUnique No:5564147Signed:Kevin MarsonReport Date:17 Apr 2023

Report Id: LIEMON [WCAMIS] 02551132 (Generated: 03/20/2024 15:30:50) Rev: 1

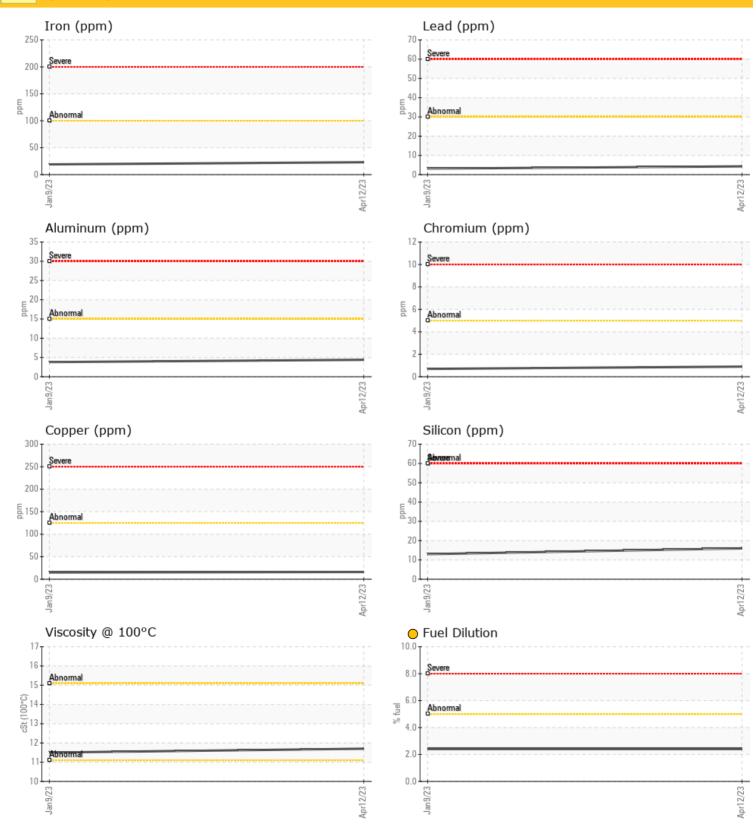
Submitted By: Olivier Galimi

# CONSTRUCTION EQUIPMENT



GRAPHS

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Submitted By: Olivier Galimi