CONSTRUCTION EQUIPMENT

LIEBHERR A904CLI 075959-1005 - Hydraulic System

Sample No: LH0107883

Oil Type: ⊢

HD-46

Sample Information

Sample Number		LH0107883	LH0107894	LH0107839		
Sample Date		08 Apr 2019	07 Aug 2018	04 Apr 2017		
Machine Hours		1894	1451	596		
Oil Hours		0	0	0		
Oil Changed		Not Changd	Not Changd	Changed		
Sample Status		ABNORMAL	NORMAL	NORMAL		
Oil Co	ndition					
Visc @ 40°C	cSt	0 45.1	0 45.4	0 47.3		
11						
Contamination						
Water	%	0.020	NEG	NEG		
Particles >4µm		0 37330	2787	0 8078		
Particles >6µm		<u> </u>	220	217		
Dortiolog 14um		007	\bigcirc 0	\bigcirc 10		

Particles >6µm		0 11632	220	0217	
Particles >14µm		937	09	0 12	
ISO 4406:1999 (c)		22/21/17	19/15/10	20/15/11	
Silicon	ppm	02	01	02	
Sodium	ppm	02	2	3	
Potassium	ppm	01	01	01	

06

Wear Metals

lion	ppin	0	00	00	
Copper	ppm	6	0 4	3	
Lead	ppm	02	01	○ <1	
Tin	ppm	0	0	0	
Aluminum	ppm	○ <1	○ <1	○ <1	
Chromium	ppm	○ <1	○ <1	○ <1	
Molybdenum	ppm	<1	0	0	
Nickel	ppm	0	0	0	
Titanium	ppm	0	0	0	
Silver	ppm	0	0	0	
Manganese	ppm	<1	<1	<1	
Vanadium	ppm	0	0	0	

6

0

Additives						
Calcium	ppm	1216	1164	1326		
Magnesium	ppm	5	5	7		
Zinc	ppm	657	660	719		
Phosphorus	ppm	522	546	607		
Barium	ppm	<1	<1	<1		
Boron	ppm	0	<1	<1		





The Corperation of the Township of Hamilton 8285 Majestic Hills Drive Cobourg, ON CA K9A 4J7 Contact: Craig McMurray cmcmurray@hamiltontownship.ca T: (905)342-2810 F: (905)342-2659

Diagnosis

We recommend you service the filters on this component. We recommend an early resample to monitor this condition.All component wear rates are normal. Particles > 6μ m are abnormally high. Particles > 14μ m are notably high. Particles > 21μ m are notably high. Particles > 4μ m are notably high. The water content is negligible. The condition of the oil is acceptable for the time in service. The oil is still serviceable provided that the contaminant(s) can be reduced to acceptable levels.

Depot:THECOBUnique No:4850220Signed:Wes DavisReport Date:15 Apr 2019

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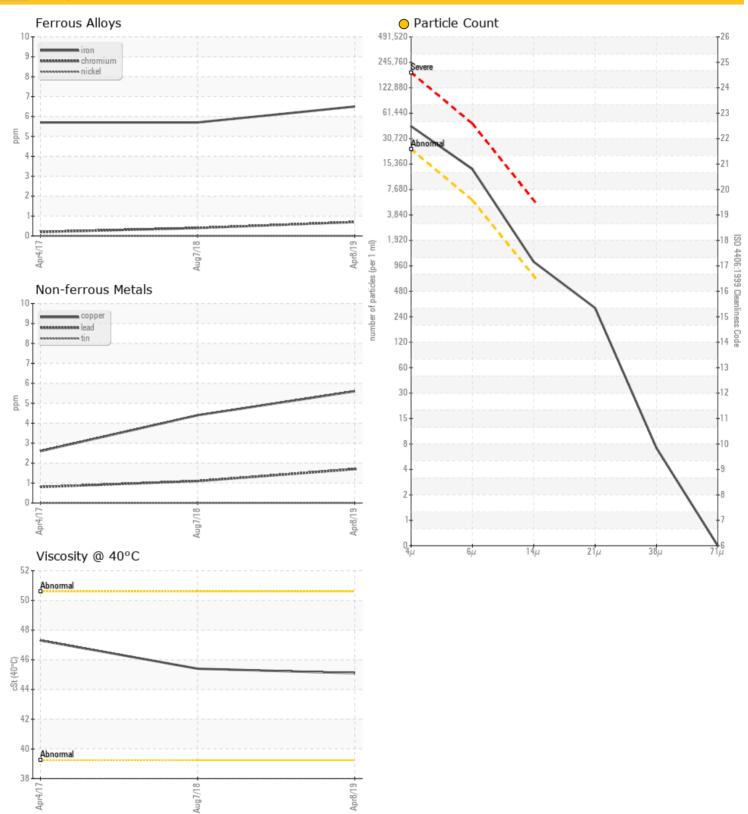
Contact/Location: Craig McMurray - THECOB

LEBHERR CONSTRUCTION EQUIPMENT



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Graphs



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