LIEBHERR

CONSTRUCTION EQUIPMENT

NO UNIT - Unknown Component

Sample No: LH

Oil Type: {unknown}

Machine Hours	a				
Sample Date 07 Apr 2024 24 Oct 2017	Sam	ple Inform	nation		
Sample Date	Sample Number		LH	LH3251737	
Machine Hours 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	Sample Date		07 Apr 2024		
Dit Hours	Machine Hours			0	
Dil Changed N/A N	Oil Hours				
Contamination Side Contamination Conta	Oil Changed			N/A	
Oil Condition Visc @ 40°C cSt 45.7 56.3 Contamination Water % NEG NEG Silicon ppm 2 5 Bodium ppm 0 1 Potassium ppm 0 1 Cotassium ppm 8 30 Copper ppm 2 11 Copper ppm 2 11 </td <td>-</td> <td></td> <td></td> <td></td> <td> </td>	-				
Contamination Water % NEG NEG Silicon ppm 2 5 Sodium ppm 0 2 0 3 Sodium ppm 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	A .				
Contamination Water	Oil C	ondition			
Water % NEG NEG <td>Visc @ 40°C</td> <td>cSt</td> <td>45.7</td> <td>56.3</td> <td> </td>	Visc @ 40°C	cSt	45.7	56.3	
Water % NEG NEG <td>-4</td> <td></td> <td></td> <td></td> <td></td>	-4				
Water % NEG NEG <td>Comi</td> <td></td> <td></td> <td></td> <td></td>	Comi				
Solition ppm 2 5 Solition ppm 2 3 3 Solition ppm 2 3 3 Solition ppm 2 1 1 1 Solition ppm 8 30 Solition ppm 2 11 Solition ppm 0 <1 Solition ppm 0 <1 Solition ppm 0 <1 Solition ppm 0 <1 Solition ppm 0 54 Solition ppm 0 0 Solition ppm 0 0 Solition ppm 0 0 Solition ppm 0 0 Solition ppm 0 0 Solition ppm 0 0 Solition ppm 0 0 Solition ppm 0 0 Solition ppm 0 0 -					
Sodium ppm 2					
Potassium ppm ● <1 1 Wear Metals Fron ppm 8 30 Copper ppm 2 11 Lead ppm 0 <1		ppm	_		
Wear Metals Strong	Sodium	ppm			
Solution Solution	Potassium	ppm	○ <1	0 1	
Solution Solution					
Copper ppm 2 11 Lead ppm 0 <1	Wed	ar Metals			
Lead	Iron	ppm	8	30	
Chromium ppm c1 2	Copper	ppm	2	11	
Aluminum ppm	Lead	ppm	0	<1	
Chromium ppm 0 <1 Molybdenum ppm 0 54 Nickel ppm 0 0 Fitanium ppm 0 0 Manganese ppm 0 2 Vanadium ppm 0 0 Additives Calcium ppm 1178 1810 Magnesium ppm 4 366 Phosphorus ppm 669 1072	Tin	ppm	0	<1	
Molybdenum ppm 0 54 Sickel ppm 0 0 0	Aluminum	ppm	<1	2	
Nickel ppm 0 0 Fitanium ppm 0 0 Silver ppm 0 0 Manganese ppm 0 2 // Anadium ppm 0 0 Additives Calcium ppm 1178 1810 Magnesium ppm 4 366 Zinc ppm 834 1226 Phosphorus ppm 669 1072	Chromium	ppm	0	<1	
Description	Molybdenum	ppm	0	54	
Silver ppm 0 0 0	Nickel	ppm	0	0	
Manganese ppm 0 2 Vanadium ppm 0 0 Additives Calcium ppm 1178 1810 Magnesium ppm 4 366 Zinc ppm 834 1226 Phosphorus ppm 669 1072	Titanium	ppm	0	0	
Additives 1178 1810 Magnesium ppm 4 366 Phosphorus ppm 669 1072	Silver	ppm	0	0	
Additives Calcium ppm 1178 1810 Magnesium ppm 4 366 Zinc ppm 834 1226 Phosphorus ppm 669 1072	Manganese	ppm	0	2	
Calcium ppm 1178 1810 Magnesium ppm 4 366 Zinc ppm 834 1226 Phosphorus ppm 669 1072	Vanadium	ppm	0	0	
Magnesium ppm 4 366 Zinc ppm 834 1226 Phosphorus ppm 669 1072	Add	itives			
Magnesium ppm 4 366 Zinc ppm 834 1226 Phosphorus ppm 669 1072	Calcium	ppm	1178	1810	
Zinc ppm 834 1226 Phosphorus ppm 669 1072	Magnesium		4	366	
Phosphorus ppm 669 1072	Zinc		834	1226	
	Phosphorus				
Barium ppm 0 <1	Barium		0	<1	





LIEBHERR CANADA LTEE
444 AVENUE DE LA FRICHE
DOLBEAU-MISTASSINI, QC
CA G8L 3M7
Contact: Martin Gagnon
martin.gagnon@liebherr.com

F: (418)276-9844

Diagnosis

Little or no information is provided as to the component and lubricant being tested. Recommendations are therefore generic in nature and may not apply to the current application. Please forward information as to equipment type, reservoir capacity, lubricant type and any pertinent information to allow for a more accurate assessment. Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample. Please provide more complete information on your next sample. NOTE: Please provide information regarding reservoir capacity, filter type and micron rating with next sample. Please specify the component make and model with your next sample.All component wear rates are normal. There is no indication of any contamination in the component(unconfirmed). The condition of the sample is acceptable for the time in service.

Depot:LBADOLUnique No:5760523Signed:Kevin MarsonReport Date:09 Apr 2024

Boron

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CONSTRUCTION EQUIPMENT





Graphs

