CONSTRUCTION EQUIPMENT

LIEBHERR LH50M 1216-109503 - Front Differential

Sample No: LHMC162791

Oil Type: GEAR OIL SAE 75W90

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SAMPLE INFORMATION

Sample Number		LHMC162791	LHMC162814				
Sample Date		15 Sep 2023	23 Mar 2023				
Machine Hours		6608	5400				
Oil Hours		0	0				
Oil Changed		Not Changd	Not Changd				
Sample Status		NORMAL	NORMAL				
OIL CONDITION							
Visc @ 40°C	cSt	185	185				

 CONTAMINATION

 Silicon
 ppm
 6
 4
 --

 Sodium
 ppm
 4
 3
 --

 Potassium
 ppm
 2
 0
 -- --

WEA WEA	AR META	LS		
Iron	ppm	• 44	0 34	
Copper	ppm	64	0 59	
Lead	ppm	0	0 0	
Tin	ppm	0	0 0	
Aluminum	ppm	01	01	
Chromium	ppm	0	○ <1	
Molybdenum	ppm	0	◯ <1	
Nickel	ppm	0 (0	
Titanium	ppm	0	0	
Silver	ppm	0 🔘	0	
Manganese	ppm	2	2	
Vanadium	ppm	0	0	

¢ **ADDITIVES** Calcium ppm 06 06 Magnesium ppm 2 $\bigcirc 2$ Zinc 0 33 38 ppm Phosphorus 0 1141 0 1081 ppm 0 358 Barium ppm 380 Boron 0 ppm $\bigcirc 0$





AHLSTROM-MUNKSJO NA SPECIALTY

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Diagnosis

Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

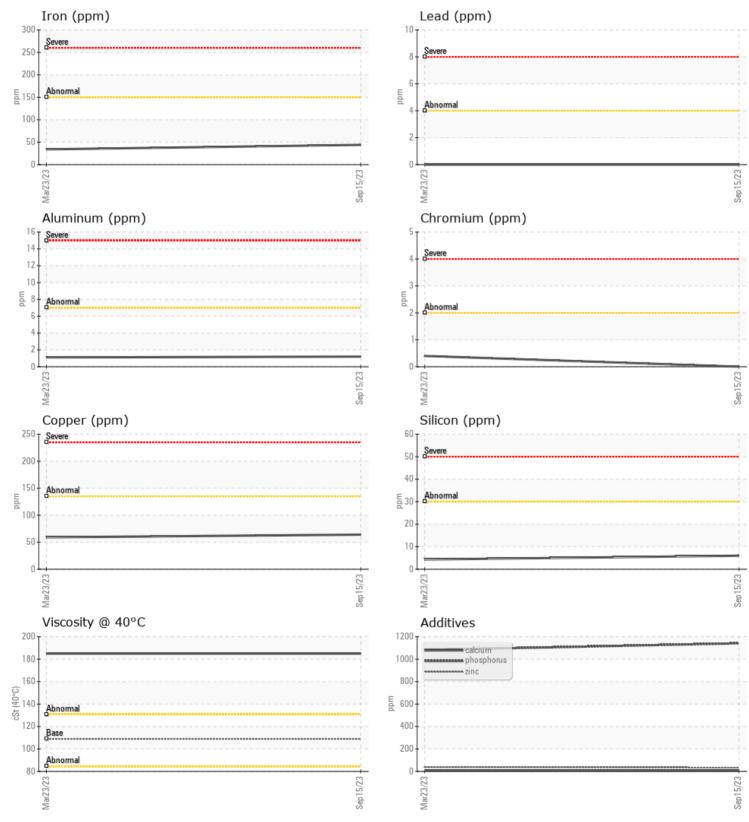
Depot:	AHLKAU		
Unique No:	10660480		
Signed:	Don Baldridge		
Report Date:	26 Sep 2023		





GRAPHS

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Contact/Location: JOE SEITZ - AHLKAU