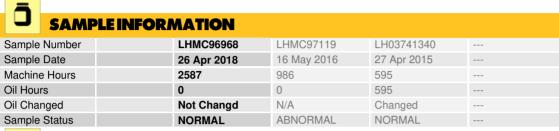
LIEBHERR

CONSTRUCTION EQUIPMENT

[[JSG]] 054454-194 - Front Left Wheel Hub

Sample No: LHMC96968

Oil Type: LIEBHERR 90LS



OIL CO	ONDITION				
Visc @ 40°C	cSt	132.1	185.6	27.52	

CONTAMINATION								
Water	%	NEG	NEG	NEG				
Silicon	ppm	0 <1	1	O <1				
Sodium	ppm	1	3	3				
Potassium	ppm	4	3	1				

(O) MEA					
WEA	R METALS	3			
Iron	ppm	17	O 15	10	
Copper	ppm	○ <1	O 4	O 2	
Lead	ppm	0	O <1	<1	
Tin	ppm	0	O 1	O <1	
Aluminum	ppm	<1	0	<1	
Chromium	ppm	<1	O <1	O <1	
Molybdenum	ppm	0	<1	0	
Nickel	ppm	0	O 0	O <1	
Titanium	ppm	 <1	O <1	0	
Silver	ppm	0	4	0	
Manganese	ppm	<1	1	<1	
Vanadium	ppm	0	0	0	

ADDITIVES						
Calcium	ppm	4	5	5		
Magnesium	ppm	0	1	1		
Zinc	ppm	4	12	8		
Phosphorus	ppm	1638	1037	1067		
Barium	ppm	20	275	315		
Boron	ppm	213	<1	2		



UNITED STATES GYPSUM 301 RILEY RD

EAST CHICAGO, IN US 43612

Contact: Service Manager

T: F:

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:UNIEASLHUnique No:8187557Signed:Wes DavisReport Date:04 May 2018





GRAPHS

