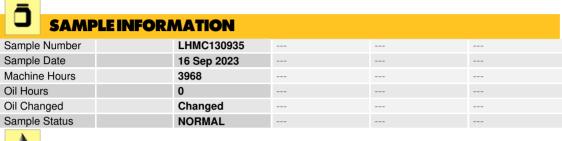
LIEBHERR

CONSTRUCTION EQUIPMENT

LIEBHERR A918 110890-1184 - Diesel Engine

Sample No: LHMC130935

Oil Type: DIESEL ENGINE OIL SAE 5W40



OILCO	ONDITION			
Visc @ 100°C	cSt	13.0	 	
Base Number (BN)	mg KOH/g	5.6	 	
Oxidation (PA)	%	82	 	
_				

CONTAMINATION					
Soot %	%	0.2			
Nitration (PA)	%	87			
Sulfation (PA)	%	65			
Glycol	%	NEG			
Fuel	%	<1.0			
Silicon	ppm	23			
Sodium	ppm	2			
Potassium	ppm	7			

(A)				
WEA	R META	LS		
Iron	ppm	31	 	
Copper	ppm	27	 	
Lead	ppm	3	 	
Tin	ppm	0	 	
Aluminum	ppm	5	 	
Chromium	ppm	() <1	 	
Molybdenum	ppm	74	 	
Nickel	ppm	0	 	
Titanium	ppm	() <1	 	
Silver	ppm	0	 	
Manganese	ppm	() <1	 	
Vanadium	ppm	0	 	

ADDITIVES					
Calcium	ppm	1481			
Magnesium	ppm	643			
Zinc	ppm	915			
Phosphorus	ppm	736			
Barium	ppm	0 0			
Boron	ppm	69			



UNITED SCRAP 1545 S CICERO AVE CHICAGO, IL US 60804 Contact:

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 BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: UNICHILH
Unique No: 10671668
Signed: Wes Davis
Report Date: 02 Oct 2023

Contact/Location: ? ? - UNICHILH

LIEBHERR

CONSTRUCTION EQUIPMENT





GRAPHS

