# LIEBHERR

**CONSTRUCTION EQUIPMENT** 

# LIEBHERR L580 080458-1760 - Hydraulic System

Sample No: LHMC131962

Silicon

Sodium

Potassium

Oil Type: AW HYDRAULIC OIL ISO 46

**2** 

0

**2** 

ppm

ppm

ppm

Samp	le Informa	ıtion				
Sample Number		LHMC131962				
Sample Date		23 May 2024				
Machine Hours		88				
Oil Hours		88				
Oil Changed		Not Changd				
Sample Status		ABNORMAL				
Oil Condition    Visc @ 40°C  cSt  0 45.3						
Acid Number (AN)	mg KOH/g	<b>1.21</b>				
Contamination						
Water	%	NEG				
Particles >4µm		<b>69870</b>				
Particles >6µm		<u>0</u> 10041				
Particles >14μm		<b>87</b>				
ISO 4406:1999 (c)		23/21/14				

<b>Wear</b>	Metals			
Iron	ppm	<b>3</b>	 	
Copper	ppm	<b>1</b>	 	
Lead	ppm	<b>1</b>	 	
Tin	ppm	<b>0</b> <1	 	
Aluminum	ppm	<b>2</b>	 	
Chromium	ppm	<b>0</b> <1	 	
Molybdenum	ppm	<b>1</b>	 	
Nickel	ppm	<b>0</b>	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	<b>0</b>	 	
Vanadium	ppm	0	 	

Additives							
	tives						
Calcium	ppm	<b>793</b>					
Magnesium	ppm	<b>10</b>					
Zinc	ppm	<b>610</b>					
Phosphorus	ppm	<b>511</b>					
Barium	ppm	<b>()</b> <1					
Boron	ppm	<b>0</b>					





### AMERICAN STATE EQUIPMENT CO.

2055 SOUTH 108TH STREET MILWAUKEE, WI

US 53227

Contact: RAY SCHMIDT RSCHMIDT@AMSTATE.COM

T: (414)234-0854 F: (414)541-1892

## Diagnosis

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

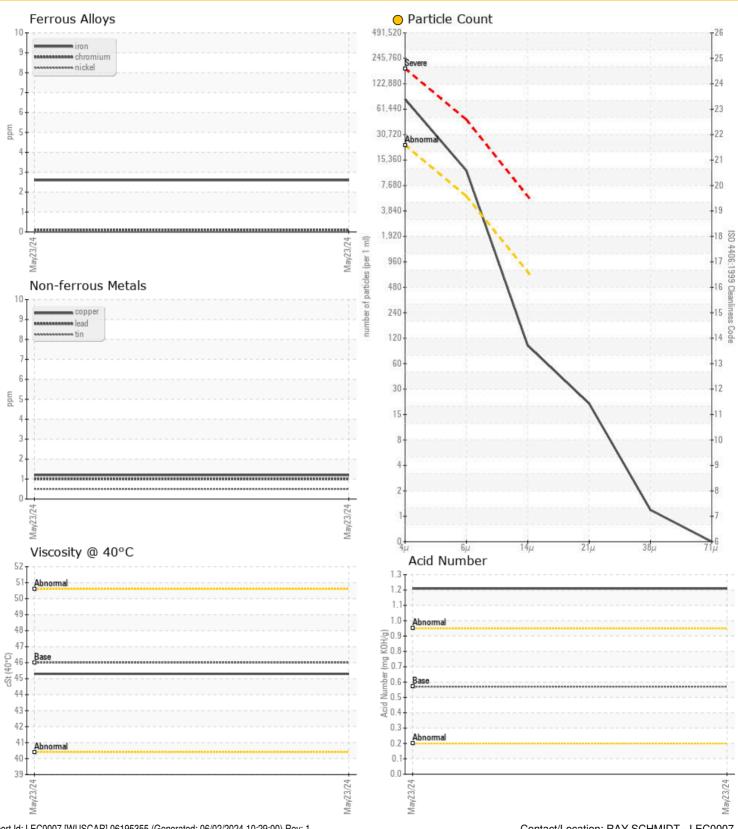
Depot:LEC0007Unique No:11057478Signed:Don BaldridgeReport Date:01 Jun 2024

**CONSTRUCTION EQUIPMENT** 





# **Graphs**



# LIEBHERR

**CONSTRUCTION EQUIPMENT** 

# **LIEBHERR L580 080458-1760 - Splitter Box**

Sample No: LHMC165935

Oil Type: GEAR OIL SAE 80W90





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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:LEC0007Unique No:11057934Signed:Don BaldridgeReport Date:02 Jun 2024

**10** 

**48** 

**10** 

**234** 

**1942** 

Magnesium

Phosphorus

Zinc

Barium

Boron

ppm

ppm

ppm

ppm

ppm







# **Graphs**

