## ł BHERR **CONSTRUCTION EQUIPMENT**

## LIEBHERR R930 056356-1716 - Diesel Engine

Sample No: LH0258968

**Oil Type:** 

### **SAMPLE INFORMATION**

Sample Number	LH0258968	LH0243975	 
Sample Date	10 Oct 2023	22 May 2023	 
Machine Hours	1035	475	 
Oil Hours	560	475	 
Oil Changed	Changed	Changed	 
Sample Status	NORMAL	ABNORMAL	 

OIL CO	<b>NDITION</b>			
Visc @ 100°C	cSt	0 13.1	11.9	 
Base Number (BN)	mg KOH/g	06.4	5.0	 
Oxidation (PA)	%	108	200	 
- <b>1</b>				

	TAMIN	ATION		
Soot %	%	0.1	0.1	 
Nitration (PA)	%	85	100	 
Sulfation (PA)	%	64	107	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	<1.0	 
Silicon	ppm	0 11	0 13	 
Sodium	ppm	0	02	 
Potassium	ppm	0 4	0 2	 

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		L3		
Iron	ppm	6	0 10	 
Copper	ppm	<b>5</b> 9	0 265	 
Lead	ppm	<b>○</b> <1	2	 
Tin	ppm	0	0 2	 
Aluminum	ppm	02	0 4	 
Chromium	ppm	○ <1	0 1	 
Molybdenum	ppm	8 🔘	0 45	 
Nickel	ppm	0	0 (	 
Titanium	ppm	0	<1	 
Silver	ppm	0	0 ()	 
Manganese	ppm	<b>○</b> <1	0 1	 
Vanadium	ppm	0	0	 

	TIVES				
Calcium	ppm	0 1336	0 1435	 	
Magnesium	ppm	0 818	○ 909	 	
Zinc	ppm	934	916	 	
Phosphorus	ppm	0 704	738	 	
Barium	ppm	06	0 30	 	
Boron	ppm	0 70	0 100	 	





ACECO

10119 RESIDENCY ROAD MANASSAS, VA US 20110 Contact: RON BROCK

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

Depot: ACEMAN Unique No: 10735884 Signed: Angela Borella **Report Date:** 10 Nov 2023

LIEBHERR MOTOROIL 10W-40 LOW ASH

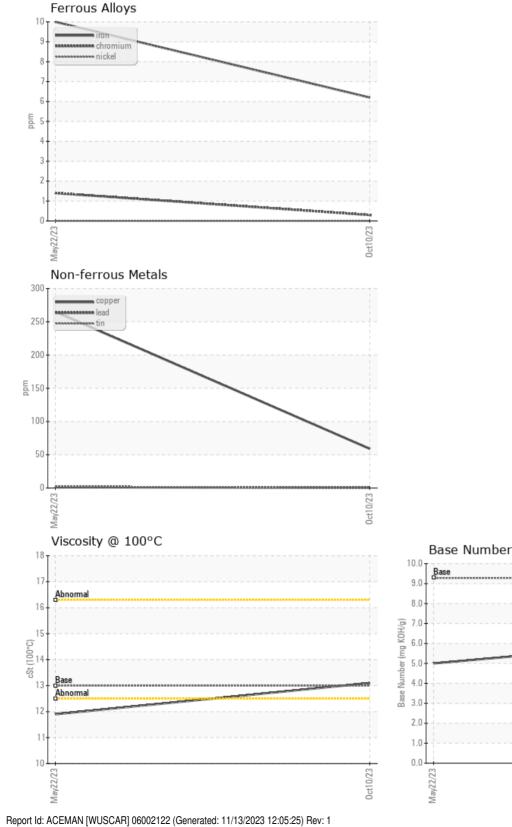
Contact/Location: RON BROCK - ACEMAN





# GRAPHS

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