# CONSTRUCTION EQUIPMENT

### LIEBHERR R974CEW 032693-1084 - Diesel Engine

Sample No: LHMC120082

Oil Type: NOT GIVEN

## **SAMPLE INFORMATION**

Sample Number		LHMC120082	LHMC112547	 
Sample Date		27 Dec 2023	13 Apr 2022	 
Machine Hours		14716	13212	 
Oil Hours		0	250	 
Oil Changed		N/A	N/A	 
Sample Status		NORMAL	NORMAL	 
OIL CO	<b>NDITION</b>			
Visc @ 100°C	cSt	0 13.1	0 13.6	 
Base Number (BN)	mg KOH/g	8.4	0 11.2	 
Oxidation (PA)	%	51	53	 
	AMINATI	ON		
Water	%	NEG	NEG	 
Soot %	%	0.1	0.4	 
Nitration (PA)	%	43	75	 
Sulfation (PA)	%	50	55	 
Glycol	%	NEG	NEG	 
Fuel	%	<1.0	<1.0	 
Silicon	ppm	<b>3</b>	8	 
Sodium	ppm	01	0 19	 
Potassium	ppm	<b>3</b>	0	 
<b>Ö</b>				

WE/	AR META	LS		
Iron	ppm	07	0 17	 
Copper	ppm	04	0 14	 
Lead	ppm	01	2	 
Tin	ppm	<b>○</b> <1	0 2	 
Aluminum	ppm	03	3	 
Chromium	ppm	<mark></mark> <1	○ <1	 
Molybdenum	ppm	57	0 4	 
Nickel	ppm	<mark></mark> <1	0 2	 
Titanium	ppm	2	<1	 
Silver	ppm	0	0	 
Manganese	ppm	0	1	 
Vanadium	ppm	<1	0	 

ADDITIVES							
Calcium	ppm	0 1885	0 1898				
Magnesium	ppm	0 429	○ 535				
Zinc	ppm	0 1411	0 811				
Phosphorus	ppm	0 1117	746				
Barium	ppm	01	2				
Boron	ppm	08	0 128				





#### RECO EQUIPMENT INC.

41245 RECO RD BELMONT, OH US 43718 Contact: GABE PERLMAN gperIman@recoequip.com T: F: (740)782-1020

#### Diagnosis

Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.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:
 LEC0071

 Unique No:
 10809946

 Signed:
 Wes Davis

 Report Date:
 04 Jan 2024

Report Id: LEC0071 [WUSCAR] 06049338 (Generated: 01/04/2024 00:12:16) Rev: 1

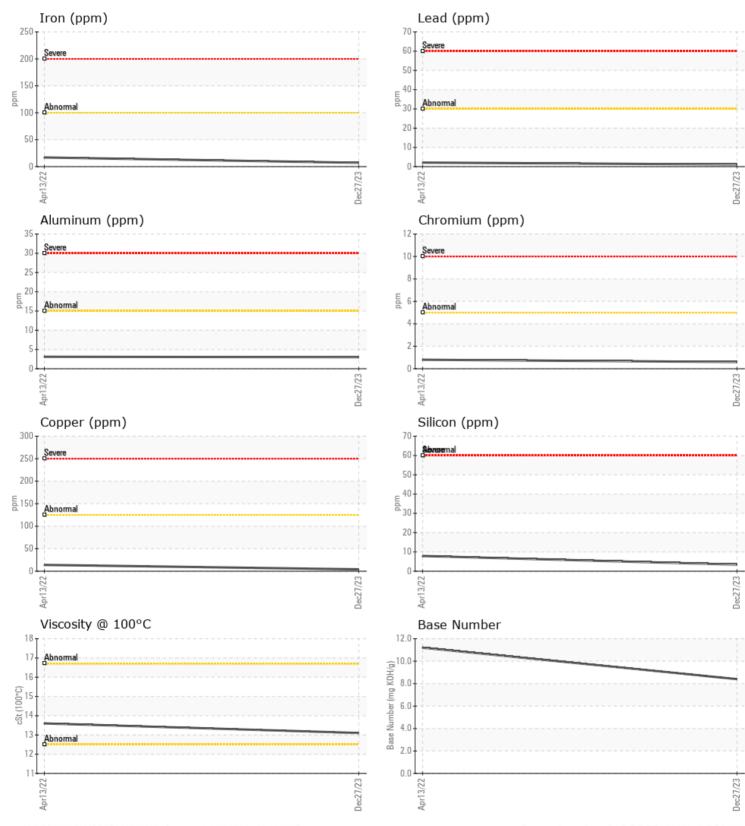
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GRAPHS

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Contact/Location: GABE PERLMAN - LEC0071