CONSTRUCTION EQUIPMENT

LIEBHERR 944X EX20177-19 - Diesel Engine

Sample No: LH0264002 Oil Type: {unknown}

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Samp	le Inform	ation		
Sample Number		LH0264002	 	
Sample Date		03 Jun 2024	 	
Machine Hours		2542	 	
Oil Hours		0	 	
Oil Changed		N/A	 	
Sample Status		SEVERE	 	
	ndition	SEVENE		
Visc @ 100°C	cSt	4.8	 	
Base Number (BN)		0 4.8	 	
	%	40		
Oxidation (PA)	70	40	 	
Conta	mination			
Water	%	NEG	 	
Soot %	%	0.1	 	
Nitration (PA)	%	67	 	
Sulfation (PA)	%	40	 	
Glycol	%	NEG	 	
Fuel	%	59.2	 	
Silicon	ppm	O 18	 	
Sodium	ppm	01	 	
Potassium	ppm	0 2	 	
	Pp	-		
(Ö) Wegr	Metals			
wear	metais			
Iron	ppm	6	 	
Copper	ppm	2	 	
Lead	ppm	0	 	
Tin	ppm	○ <1	 	
Aluminum	ppm	2	 	
Chromium	ppm	0 <1	 	
Molybdenum	ppm	25	 	
Nickel	ppm	0	 	
Titanium	ppm	<1	 	
Silver	ppm	0	 	
Manganese	ppm	<1	 	
Vanadium	ppm	0	 	
Addit				
Calcium	ppm	666	 	
Magnesium	ppm	362	 	
Zinc	ppm	597	 	
Phosphorus	ppm	469	 	
Barium	ppm	0 0	 	
Boron	ppm	9	 	

AMERICAN STATE EQUIPMENT CO.

2400 NORTH 14TH AVENUE WAUSAU, WI US 54401 Contact: CHRIS BARTNIK

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Diagnosis

We advise that you check the fuel injection system. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.All component wear rates are normal. There is a high amount of fuel present in the oil. Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil. The oil is no longer serviceable due to the presence of contaminants.

Depot: Unique No: 11074721 Signed: Jonathan Hester **Report Date:** 18 Jun 2024

LEC0008

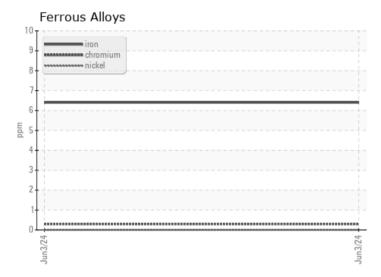
LIEBHERR



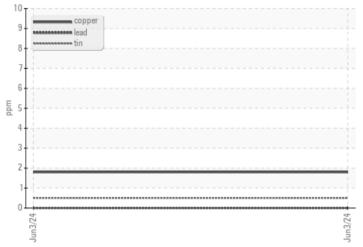




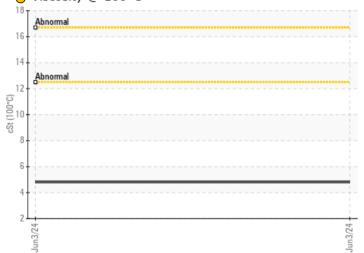
Graphs



Non-ferrous Metals



O Viscosity @ 100°C



Base Number

