# CONSTRUCTION EQUIPMENT

## [[PRAIRIE MATERIALS]] LIEBHERR R945 055722-1866 - Diese

Sample No: LH0273354

Oil Type: DIESEL ENGINE OIL SAE 5W40

### **J** Sample Information

Sample Number		LH0273354	LH0254655	LH0236131	
Sample Date		03 Apr 2024	15 Aug 2023	28 Oct 2022	
Machine Hours		1482	1076	409	
Oil Hours		500	500	0	
Oil Changed		Changed	Changed	Changed	
Sample Status		NORMAL	MARGINAL	ABNORMAL	
<b>Oil Co</b>	ndition				
Visc @ 100°C	cSt	0 13.8	0 13.0	0 12.1	
Base Number (BN)	mg KOH/g	6.3	5.7	5.8	
Oxidation (PA)	%	68	85	221	
	mination				
Water	%	NEG	NEG	NEG	
Soot %	%	0.1	0.1	0.1	
Nitration (PA)	%	80	88	110	
Sulfation (PA)	%	60	62	117	
Glycol	%	NEG	NEG	NEG	
Fuel	%	<1.0	<1.0	0 1.4	
Silicon	ppm	0 14	9	8	
Sodium	ppm	01	02	0	
Potassium	ppm	8	6	○ 5	
<b>Wear</b>	Metals				
Iron	ppm	8	0 11	12	
Conner	nnm	<b>42</b>	0 206	0 206	



Additives								
Calcium	ppm	0 1375	0 1517	0 1474				
Magnesium	ppm	0 673	643	840				
Zinc	ppm	0 878	934	944				
Phosphorus	ppm	0 788	769	736				
Barium	ppm	0	03	36				
Boron	ppm	<b>5</b> 4	◯ 32	90				



FINKBINER EQUIPMENT CO.

15 W 400 N FRONTAGE RD BURR RIDGE, IL US 60527 Contact: DON FITZGERALD dfitzgerald@finkbiner.com T: (815)546-8991 F: (630)654-3792

#### 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:
 LEC0033

 Unique No:
 10990540

 Signed:
 Wes Davis

 Report Date:
 22 Apr 2024

Report Id: LEC0033 [WUSCAR] 06155117 (Generated: 04/23/2024 01:12:35) Rev: 1

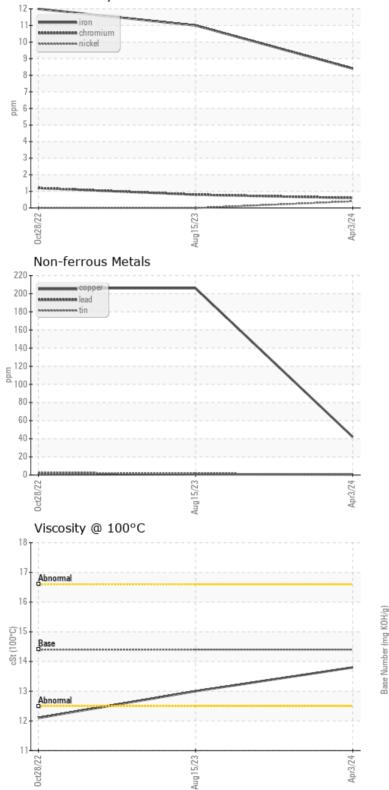
Contact/Location: DON FITZGERALD - LEC0033

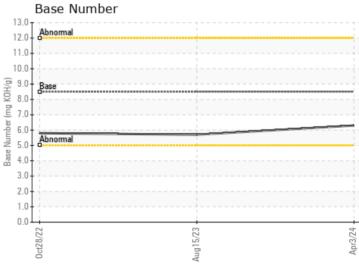




# Graphs

#### Ferrous Alloys





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