

Area



## **ICLEVELAND CLIFF] LIEBHERR LH60M 119014-1217** Component **Rear Differential**

LIEBHERR GEAR BASIC 90 LS (--- GAL)

RECOMMENDATION	
Becample at the part convice interval	to

Resample at the next service interval to monitor.

## **WEAR**

All component wear rates are normal.

## CONTAMINATION

There is no indication of any contamination in the oil.

## FLUID CONDITION

The condition of the oil is acceptable for the time in service.

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0258930		
Sample Date		Client Info		14 Mar 2024		
Machine Age	hrs	Client Info		2268		
Oil Age	hrs	Client Info		1000		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		N/A		
Sample Status				NORMAL		
Iron	ppm	ASTM D5185m	>150	21		
Chromium	ppm	ASTM D5185m	>5	0		
Nickel	ppm	ASTM D5185m	>10	0		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m		0		
Aluminum	ppm	ASTM D5185m	>5	0		
Lead	ppm	ASTM D5185m	>5	0		
Copper	ppm	ASTM D5185m	>125	17		
Tin	ppm	ASTM D5185m	>5	0		
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon		ASTM D5185m	>20	<1		
Potassium	ppm	ASTM D5185m	>20	0		
Water	ppm	WC Method	>0.2	NEG		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
	scalar	*Visual	NORML	NORML		
Appearance Odor	scalar	*Visual	NORML	NORML		
Emulsified Water				-		
	scalar	*Visual	>0.2	NEG		
Sodium	ppm	ASTM D5185m		<1		
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	0	5		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m	0	0		
Magnesium	ppm	ASTM D5185m	<1	0		
Calcium	ppm	ASTM D5185m	<1	8		
Phosphorus	ppm	ASTM D5185m	2143	613		
Zinc	ppm	ASTM D5185m	<1	11		
Sulfur	ppm	ASTM D5185m	23468	24080		
Vice @ 40°C	oQt	ASTM D445	170	1/1		

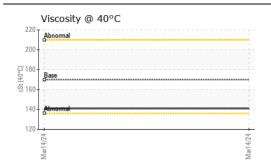
Visc @ 40°C

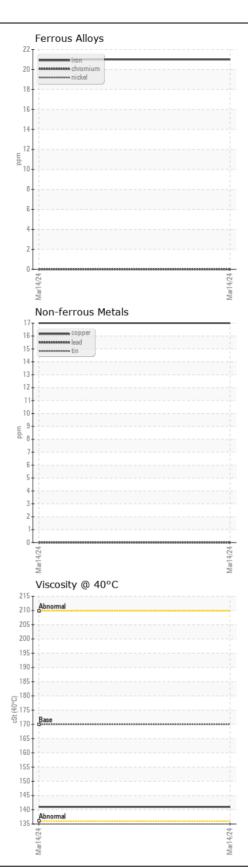
cSt

ASTM D445 170

Contact/Location: TROY MILLER - LEC0033

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FINKBINER EQUIPMENT CO. 15 W 400 N FRONTAGE RD

BURR RIDGE, IL

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US 60527



Unique Number : 10976891 Diagnosed : 12 Apr 2024 - Wes Davis Test Package : CONST Contact: TROY MILLER Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. tmiller@finkbiner.com \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Received

Tested

: 11 Apr 2024

: 12 Apr 2024

Laboratory

Sample No.

Lab Number : 06146813

: LH0258930

Contact/Location: TROY MILLER - LEC0033 Page 2 of 2