



Area [CLEVELAND CLIFF] Machine Id LIEBHERR LH60M 119014-1217 Component Front Right Wheel Hub

LIEBHERR GEAR BASIC 90 LS (--- GAL)

Resample at th	e next service interva	to monitor.

RECOMMENDATION

WEAR

All component wear rates are normal.

CONTAMINATION

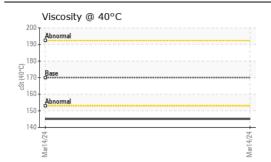
There is no indication of any contamination in the oil.

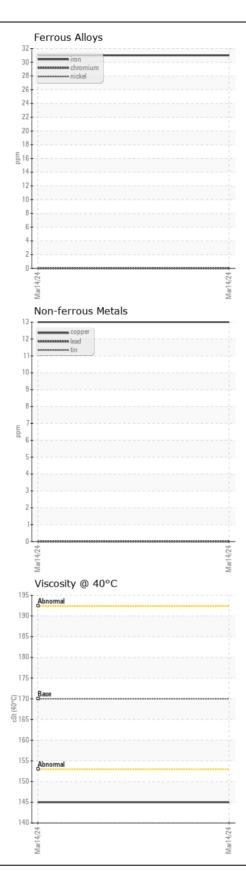
FLUID CONDITION

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		LH0258929		
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		
			050			
Iron	ppm	ASTM D5185m	>650	31		
Chromium	ppm	ASTM D5185m	>4	0		
Nickel	ppm	ASTM D5185m	>4	0		
Titanium	ppm	ASTM D5185m	>4	0		
Silver	ppm	ASTM D5185m	05	0		
Aluminum	ppm	ASTM D5185m	>25	0		
Lead	ppm	ASTM D5185m	>4	0		
Copper	ppm	ASTM D5185m	>60	13		
Tin	ppm	ASTM D5185m	>4	0		
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>75	1		
Potassium	ppm	ASTM D5185m	>20	0		
Water		WC Method	>0.2	NEG		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
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	46		
Molybdenum	ppm	ASTM D5185m		0		
Manganese	ppm	ASTM D5185m	0	0		
Magnesium	ppm	ASTM D5185m	<1	0		
Calcium	ppm	ASTM D5185m	<1	7		
Phosphorus	ppm	ASTM D5185m	2143	685		
Zinc	ppm	ASTM D5185m	<1	10		
Sulfur	ppm	ASTM D5185m	23468	25719		
Visc @ 40°C	cSt	ASTM D3103III	170	145		
130 @ 40 0	001	A0 I WI D440	170	143		

Contact/Location: TROY MILLER - LEC0033





FINKBINER EQUIPMENT CO. 15 W 400 N FRONTAGE RD

BURR RIDGE, IL

T: (630)654-3700

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US 60527



Unique Number : 10976893 Diagnosed : 15 Apr 2024 - Sean Felton 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 : 06146815

: LH0258929

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