

## WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

#### Machine Id LIEBI Component Rear F Fluid GEAB

RECOMMENDATION

# LIEBHERR LH50M 1216-108671

GEAR OIL LS 80W90 (--- GAL)

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

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All component wear rates are normal.

### CONTAMINATION

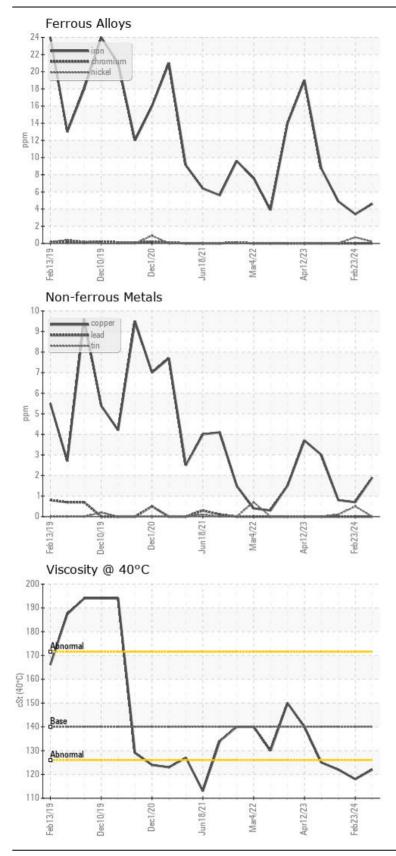
There is no indication of any contamination in the oil.

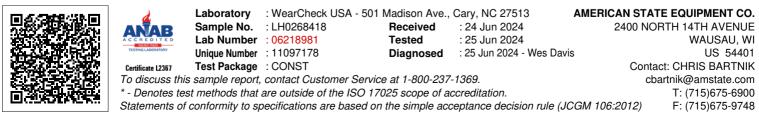
### **FLUID CONDITION**

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

	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		LH0268418	LH0258760	LH0263991
	Sample Date		Client Info		14 Jun 2024	23 Feb 2024	14 Dec 2023
	Machine Age	hrs	Client Info		21235	20036	19125
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
	Iron	ppm	ASTM D5185m	>325	5	3	5
	Chromium	ppm	ASTM D5185m	>3	0	0	0
	Nickel	ppm	ASTM D5185m	>2	۲ ح1	<1	0
	Titanium	ppm	ASTM D5185m	>4	0	0	<1
	Silver	ppm	ASTM D5185m	>2	0	<1	0
	Aluminum	ppm	ASTM D5185m	>10	۰ <1	<1	0
	Lead	ppm	ASTM D5185m	>3	0	0	0
	Copper	ppm	ASTM D5185m	>70	2	<1	<1
	Tin	ppm	ASTM D5185m	>2	0	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
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	Silicon	ppm	ASTM D5185m	>70	<1	<1	<1
	Potassium	ppm	ASTM D5185m	>20	1	2	0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
	Sodium	ppm	ASTM D5185m		1	2	1
	Boron	ppm	ASTM D5185m	150	15	0	<1
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		0	0	0
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m	10	3	6	5
	Calcium	ppm	ASTM D5185m	70	24	37	45
	Phosphorus	ppm	ASTM D5185m	2000	990	776	850
	Zinc	ppm	ASTM D5185m	50	19	17	21
	Sulfur	ppm	ASTM D5185m	20000	27450	19929	20141

Contact/Location: CHRIS BARTNIK - LEC0008





Contact/Location: CHRIS BARTNIK - LEC0008 Page 2 of 2