

Machine Id Component Swing Drive

## IEBHERR LH60M 1217-146314

LIEBHERR GEAR BASIC 90 LS (--- GAL)

Resample at the next service interval to monitor.
riesample at the next service interval to monitor.

ECOMMENDATION

## WEAR

All component wear rates are normal.

## CONTAMINATION

There is no indication of any contamination in the oil.

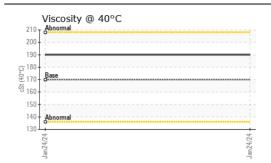
## **FLUID CONDITION**

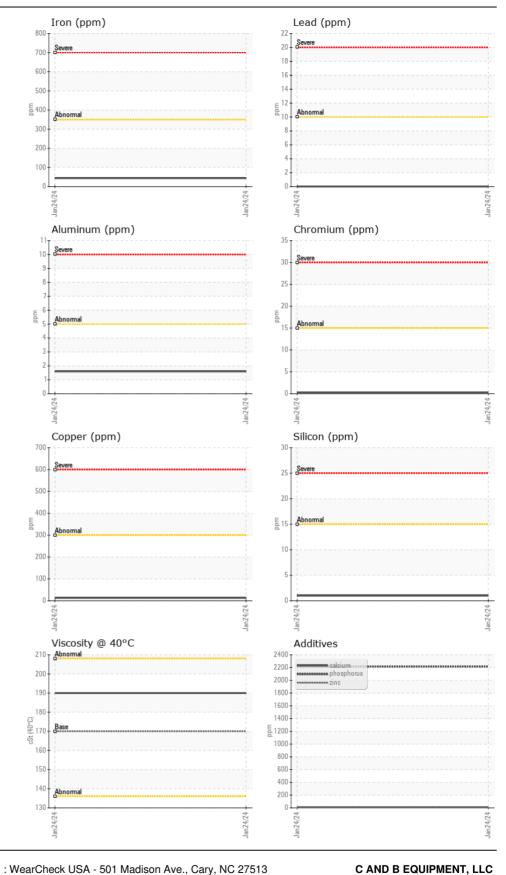
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0286181		
Sample Date		Client Info		24 Jan 2024		
Machine Age	hrs	Client Info		2000		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		Changed		
Sample Status				NORMAL		
			050			
Iron	ppm	ASTM D5185m	>350	44		
Chromium	ppm	ASTM D5185m	>15	<1		
Nickel	ppm	ASTM D5185m	>5	<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m	-	0		
Aluminum	ppm	ASTM D5185m	>5	2		
Lead	ppm	ASTM D5185m	>10	0		
Copper	ppm	ASTM D5185m	>300	13		
Tin	ppm	ASTM D5185m	>15	<1		
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>15	1		
Potassium	ppm	ASTM D5185m	>20	1		
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		
			0			
Boron	ppm	ASTM D5185m	0	<1		
Boron Barium	ppm ppm	ASTM D5185m ASTM D5185m	0	<1 0		
			0			
Barium	ppm	ASTM D5185m	0	0		
Barium Molybdenum	ppm ppm	ASTM D5185m ASTM D5185m	0	0 <1		
Barium Molybdenum Manganese	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	0 0 0	0 <1 <1		
Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 0 <1	0 <1 <1 1		  
Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 <1 <1	0 <1 <1 1 11	 	
Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 <1 <1 2143	0 <1 <1 1 11 2216	  	   

Report Id: CANGHE [WUSCAR] 06121779 (Generated: 03/19/2024 20:47:58) Rev: 1

Submitted By: ?







Sample No. Received : LH0286181 : 18 Mar 2024 Lab Number : 06121779 : 19 Mar 2024 Tested Unique Number : 10935930 : 19 Mar 2024 - Wes Davis Diagnosed Test Package : MOBCE Contact: Service Manager Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. \* - 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)

US 41045

T:

F:

Laboratory