

## Machine Id 145797-1218 LIEBHERR LH80M 145797-1218 Component

Rear Left Wheel Hub

LIEBHERR GEAR BASIC 90 LS (--- GAL)

RECOMMENDATION
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Resample at the next service interval to monitor.

## **WEAR**

All component wear rates are normal.

## CONTAMINATION

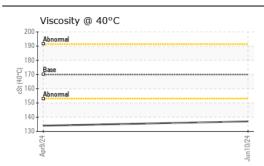
There is no indication of any contamination in the oil.

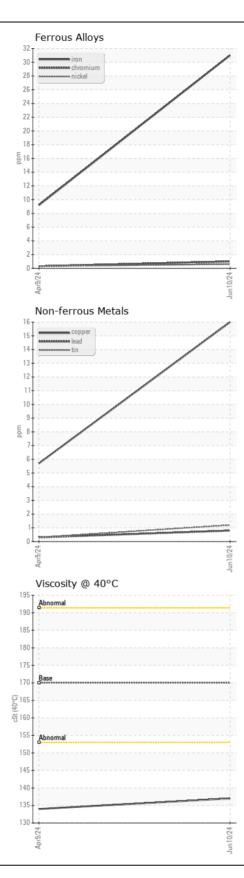
## FLUID CONDITION

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

GAL)				~		
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0257709	LH0259161	
Sample Date		Client Info		10 Jun 2024	09 Apr 2024	
Machine Age	hrs	Client Info		2017	1579	
Oil Age	hrs	Client Info		500	500	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		Changed	Changed	
Sample Status				NORMAL	NORMAL	
Iron	ppm	ASTM D5185m	>650	31	9	
Chromium	ppm	ASTM D5185m	>4	1	<1	
Nickel	ppm	ASTM D5185m	>4	<1	<1	
Titanium	ppm	ASTM D5185m	>4	<1	<1	
Silver	ppm	ASTM D5185m		<1	0	
Aluminum	ppm	ASTM D5185m	>25	2	2	
Lead	ppm	ASTM D5185m	>4	<1	<1	
Copper	ppm	ASTM D5185m	>60	16	6	
Tin	ppm	ASTM D5185m	>4	1	<1	
Vanadium	ppm	ASTM D5185m		<1	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>75	4	4	
Potassium	ppm	ASTM D5185m	>20	2	1	
Water		WC Method	>0.2	NEG	NEG	
Silt	scalar	*Visual	NONE	NONE	LIGHT	
Debris	scalar	*Visual	NONE	NONE	NONE	
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Appearance	scalar	*Visual	NORML	NORML	NORML	
Odor	scalar	*Visual	NORML	NORML	NORML	
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Sodium	ppm	ASTM D5185m		3	2	
Boron	ppm	ASTM D5185m	0	113	145	
Doron			0		1	
Barium	nnm	ASTIMUSIKSM				
Barium Molybdenum	ppm	ASTM D5185m		1		
Molybdenum	ppm	ASTM D5185m	0	5	6	
Molybdenum Manganese	ppm ppm	ASTM D5185m ASTM D5185m	0	5 1	6 <1	
Molybdenum Manganese Magnesium	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	0 0 <1	5 1 31	6 <1 34	
Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 <1 <1	5 1 31 82	6 <1 34 85	
Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 <1 <1 2143	5 1 31 82 2461	6 <1 34 85 2518	   
Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 <1 <1 2143 <1	5 1 31 82 2461 57	6 <1 34 85 2518 58	· · · · · · · · · · · · · · · · · · ·
Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	0 0 <1 <1 2143	5 1 31 82 2461	6 <1 34 85 2518	   

Contact/Location: Dale Shaw - TEXHOUWC





**TEXAS PORT RECYCLING - HOUSTON PORT** 8945 MANCHESTER ST HOUSTON, TX : 29 Jun 2024 - Don Baldridge US 77012 Contact: Dale Shaw dale.shaw@tmrecycling.com T: F: (713)921-5545



Test Package : CONST 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)

Received

Diagnosed

Tested

: 27 Jun 2024

: 28 Jun 2024

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

Laboratory

Sample No.

Lab Number : 06222708

Unique Number : 11100905

: LH0257709

Contact/Location: Dale Shaw - TEXHOUWC Page 2 of 2