

# AMR-Manchester 146889 LIEBHERR 146889

# Rear Right Wheel Hub

LIEBHERR GEAR BASIC 90 LS (--- GAL)

### RECOMMENDATION

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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DJJ0013968	DJJ0003540	
Sample Date		Client Info		27 Mar 2024	08 Nov 2023	
Machine Age	hrs	Client Info		1079	518	
Oil Age	hrs	Client Info		500	518	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	NORMAL	
Iron	ppm	ASTM D5185m	>500	42	34	
Chromium	ppm	ASTM D5185m	>8	0	0	
Nickel	ppm	ASTM D5185m	>5	0	0	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>5	1	0	
Lead	ppm	ASTM D5185m	>5	0	0	
Copper	ppm	ASTM D5185m	>50	46	41	
Tin	ppm	ASTM D5185m		0	0	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>25	12	10	
Potassium	ppm	ASTM D5185m	>20	<1	<1	
Water		WC Method	>0.2	NEG	NEG	
Silt	scalar	*Visual	NONE	NONE	NONE	
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	8	3	
Barium	ppm	ASTM D5185m	0	1	0	
Molybdenum	ppm	ASTM D5185m	0	1	<1	
Manganese	ppm	ASTM D5185m	0	2	1	
Magnesium	ppm	ASTM D5185m	<1	0	0	
Calcium	ppm	ASTM D5185m	<1	118	124	
Phosphorus	ppm	ASTM D5185m	2143	1750	1444	
Zinc	ppm	ASTM D5185m	<1	25	33	
Sulfur	ppm	ASTM D5185m	23468	25760	20585	

Visc @ 40°C

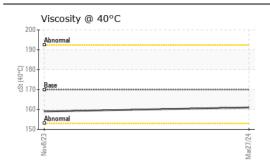
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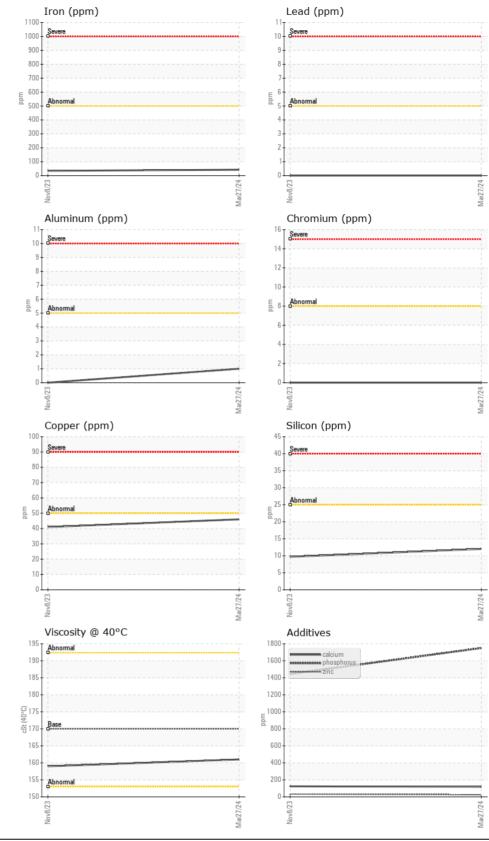
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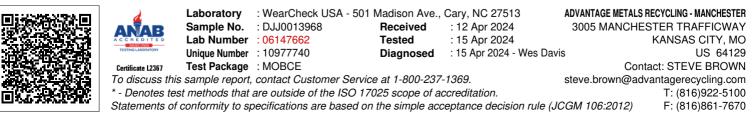
Contact/Location: STEVE BROWN - ADVKANMAN

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