

WEAR	
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

LIEBHERR LH110 1227-155752

Front Left Wheel Hub

GEAR OIL SAE 80W90 (--- GAL)

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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.

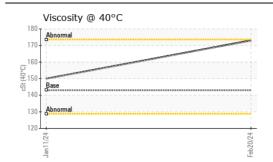
## FLUID CONDITION

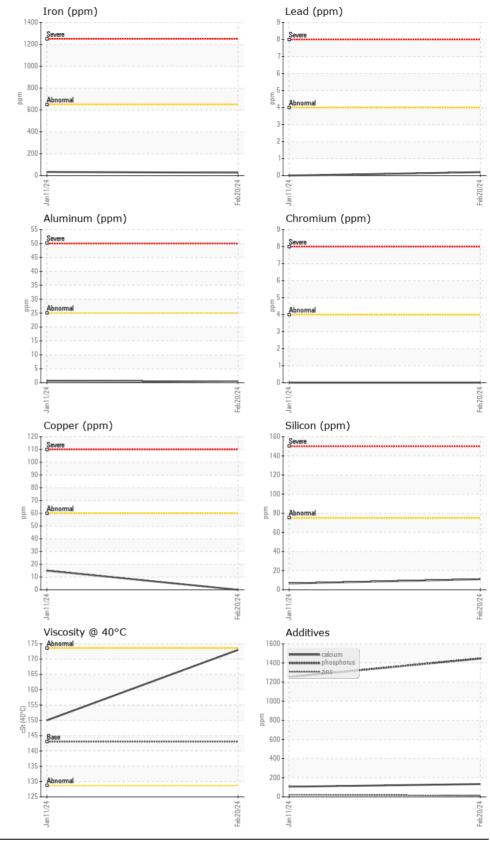
The condition of the oil is acceptable for the time in service.

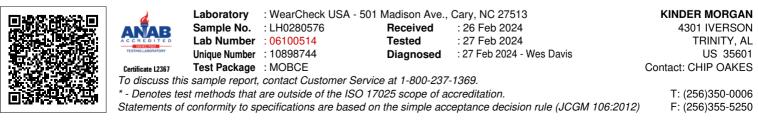
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0280576	LH0280565	
Sample Date		Client Info		20 Feb 2024	11 Jan 2024	
Machine Age	hrs	Client Info		1022	507	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Not Changd	
Filter Changed		Client Info		None	N/A	
Sample Status				NORMAL	NORMAL	
Iron	ppm	ASTM D5185m	>650	26	33	
Chromium	ppm	ASTM D5185m	>4	0	0	
Nickel	ppm	ASTM D5185m	>4	0	<1	
Titanium	ppm	ASTM D5185m	>4	0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	<1	<1	
Lead	ppm	ASTM D5185m	>4	<1	0	
Copper	ppm	ASTM D5185m	>60	0	15	
Tin	ppm	ASTM D5185m	>4	0	<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	11	7	
Potassium	ppm	ASTM D5185m	>20	0	2	
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	>170	3	3	
Boron	ppm	ASTM D5185m	400	4	6	
Barium	ppm	ASTM D5185m	200	0	2	
Molybdenum	ppm	ASTM D5185m	12	0	0	
Manganese	ppm	ASTM D5185m	1	1	1	
Magnesium	ppm	ASTM D5185m	12	0	2	
Calcium	ppm	ASTM D5185m	150	134	106	
Phosphorus	ppm	ASTM D5185m	1650	1446	1253	
Zinc	ppm	ASTM D5185m	125	1440	22	
Sulfur	ppm	ASTM D5185m	22500	18435	16406	
Junu	PPIII		22000	10400	10-00	
Visc @ 40°C	cSt	ASTM D445	143	173	150	

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Submitted By: ?







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