

NORMAL **WEAR** CONTAMINATION NORMAL FLUID CONDITION **ATTENTION**

Machine Id LIEBHERR LH80M 1218-157090 Rear Left Wheel Hub

GEAR OIL SAE 80W90 (--- 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 oil viscosity is lower than normal. Confirm oil type.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0282878	LH0282900	
Sample Date		Client Info		18 May 2024	19 Mar 2024	
Machine Age	hrs	Client Info		1559	545	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Not Changd	Not Changd	
Filter Changed		Client Info		N/A	None	
Sample Status				ATTENTION	NORMAL	
Iron	ppm	ASTM D5185m	>650	27	120	
Chromium	ppm	ASTM D5185m	>4	<1	<1	
Nickel	ppm	ASTM D5185m	>4	<1	<1	
Titanium	ppm	ASTM D5185m	>4	<1	0	
Silver	ppm	ASTM D5185m		<1	0	
Aluminum	ppm	ASTM D5185m	>25	1	2	
Lead	ppm	ASTM D5185m	>4	0	0	
Copper	ppm	ASTM D5185m	>60	12	5	
Tin	ppm	ASTM D5185m	>4	0	2	
Vanadium	ppm	ASTM D5185m		<1	<1	
White Metal	scalar	*Visual	NONE	NONE	MODER	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Ciliaaa			75	·····	10	
Silicon	ppm	ASTM D5185m	>75	6 2	16 1	
Potassium	ppm	ASTM D5185m WC Method	>20 >0.2	_	I NEG	
Water	eeelex			NEG NONE		
Silt Debris	scalar	*Visual	NONE NONE	LIGHT	NONE	
Sand/Dirt	scalar scalar	*Visual *Visual	NONE	NONE	NONE	
				NORE		
Appearance Odor	scalar	*Visual	NORML	NORML	NORML	
	scalar	*Visual		-		
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Sodium	ppm	ASTM D5185m	>170	2	8	
Boron	ppm	ASTM D5185m	400	6	0	
Barium	ppm	ASTM D5185m	200	0	0	
Molybdenum	ppm	ASTM D5185m	12	4	<1	
Manganese	ppm	ASTM D5185m		<1	2	
Magnesium	ppm	ASTM D5185m	12	29	0	
Calcium	ppm	ASTM D5185m	150	179	76	
Phosphorus	ppm	ASTM D5185m	1650	510	1244	
Zinc	ppm	ASTM D5185m	125	119	21	
Sulfur	ppm	ASTM D5185m	22500	13381	22913	
Viec @ 40°C	0°t	ASTM D445	1/2	80.6	164	

Visc @ 40°C

cSt

ASTM D445 143

89.6

164





