

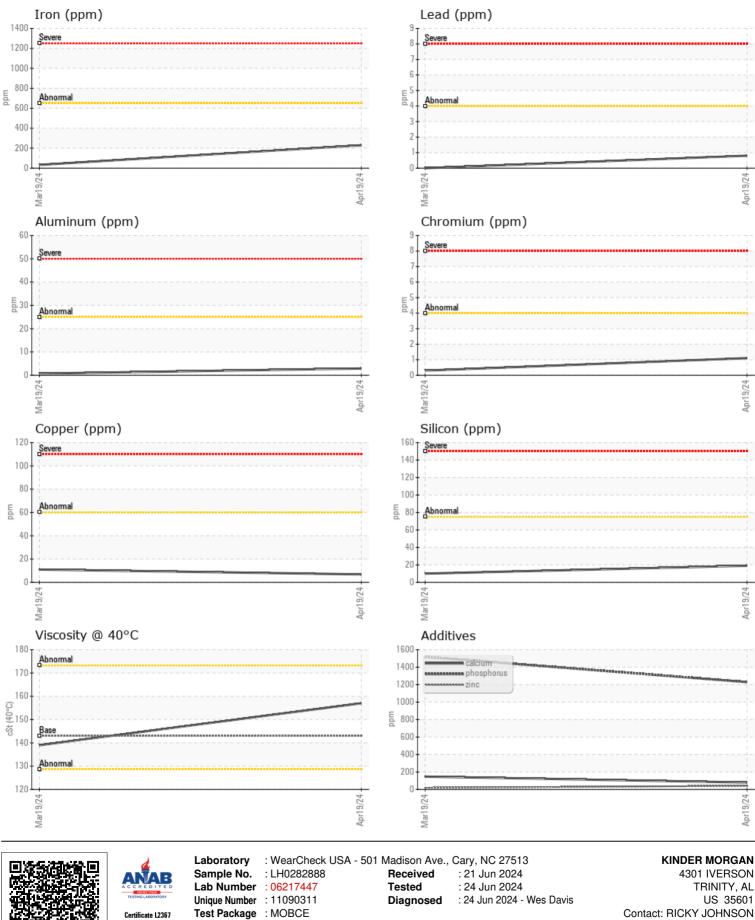
WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id LIEBHERR LH80M 1218-157090 Componer

Front Right Wheel Hub

GEAR OIL SAE 80W90 (--- GAL)

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RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		LH0282888	LH0282899	
	Sample Date		Client Info		19 Apr 2024	19 Mar 2024	
	Machine Age	hrs	Client Info		997	545	
	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		N/A	None	
	Sample Status				NORMAL	NORMAL	
WEAR Iron ppm ASTM D5185m >650						00	
	Iron	ppm	ASTM D5185m		229	33	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		1	<1	
	Nickel	ppm	ASTM D5185m		<1	<1	
	Titanium	ppm	ASTM D5185m	>4	<1	0	
	Silver	ppm	ASTM D5185m	0.5	<1	0	
	Aluminum	ppm	ASTM D5185m		3	<1	
	Lead	ppm	ASTM D5185m		<1	0	
	Copper	ppm	ASTM D5185m		7	11	
	Tin	ppm	ASTM D5185m	>4	<1	2	
	Vanadium	ppm	ASTM D5185m		<1	<1	
	White Metal	scalar	*Visual	NONE	NONE	MODER	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>75	19	10	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	3	<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	
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>170	10	3	
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m	400	2	6	
	Barium	ppm	ASTM D5185m	200	1	3	
	Molybdenum	ppm	ASTM D5185m	12	1	1	
	Manganese	ppm	ASTM D5185m		3	1	
	Magnesium	ppm	ASTM D5185m	12	3	0	
	Calcium	ppm	ASTM D5185m	150	79	147	
	Phosphorus	ppm	ASTM D5185m	1650	1229	1518	
	Zinc	ppm	ASTM D5185m		41	19	
	Sulfur	ppm	ASTM D5185m		21399	23915	



* - 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)

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