

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL



Machine Id LIEBHERR T60-9 022201-1709 Component

Transmission (Manual)

LIEBHERR GEAR BASIC 90 LS (--- GAL)

RECOMMENDATION

Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

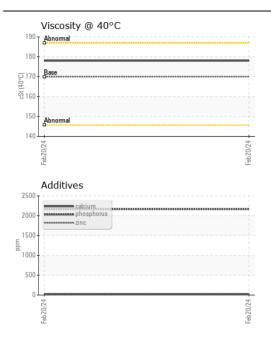
There is no indication of any contamination in the fluid.

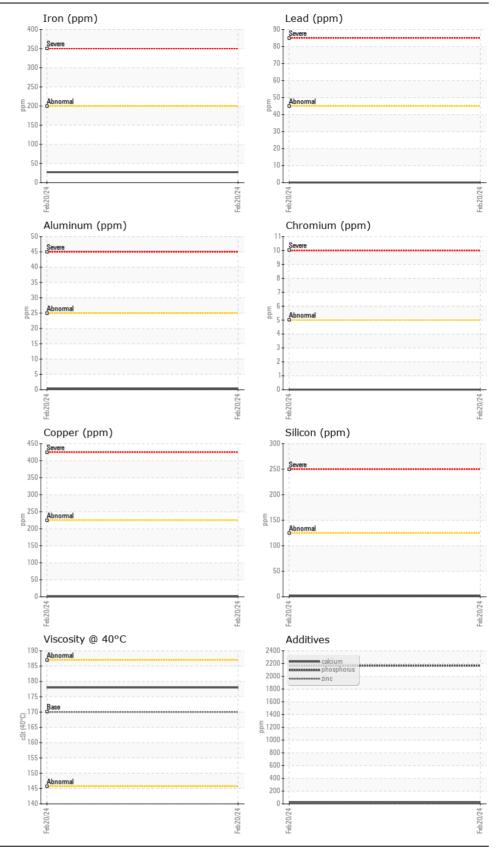
FLUID CONDITION

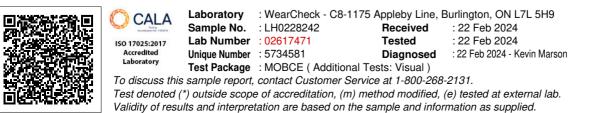
Additive levels indicate the addition of a different brand, or type of fluid. The condition of the fluid is acceptable for the time in service.

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0228242		
Sample Date		Client Info		20 Feb 2024		
Machine Age	hrs	Client Info		1045		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		Changed		
Sample Status				NORMAL		
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Iron	ppm	ASTM D5185(m)	>200	27		
Chromium	ppm	ASTM D5185(m)	>5	0		
Nickel	ppm	ASTM D5185(m)	>5	0		
Titanium	ppm	ASTM D5185(m)	_	0		
Silver	ppm	ASTM D5185(m)	>7	<1		
Aluminum	ppm	ASTM D5185(m)	>25	<1		
Lead	ppm	ASTM D5185(m)	>45	0		
Copper	ppm	ASTM D5185(m)	>225	<1		
Tin	ppm	ASTM D5185(m)	>10	0		
Vanadium	ppm	ASTM D5185(m)		0		
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Silicon	ppm	ASTM D5185(m)	>125	2		
Potassium	ppm	ASTM D5185(m)	>20	-		
Water	ppm	WC Method	>0.1	NEG		
Silt	scalar	Visual*	NONE	NONE		
Debris	scalar	Visual*	NONE	NONE		
Sand/Dirt	scalar	Visual*	NONE	NONE		
Appearance	scalar	Visual*	NORML	NORML		
Odor	scalar	Visual*	NORML	NORML		
Emulsified Water	scalar	Visual*	>0.1	NEG		
			20.1			
Sodium	ppm	ASTM D5185(m)		1		
Boron	ppm	ASTM D5185(m)	0	2		
Barium	ppm	ASTM D5185(m)	0	0		
Molybdenum	ppm	ASTM D5185(m)	0	0		
Manganese	ppm	ASTM D5185(m)	0	<1		
Magnesium	ppm	ASTM D5185(m)	<1	1		
Calcium	ppm	ASTM D5185(m)	<1	26		
Phosphorus	ppm	ASTM D5185(m)	2143	2167		
Zinc	ppm	ASTM D5185(m)	<1	17		
Sulfur	ppm	ASTM D5185(m)	23468	24786		
Visc @ 40°C	cSt	ASTM D7279(m)	170	178		
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Submitted By: ?







ECOWASTE INDUSTRIES 4 SPRUCE ST NEW WESTMINSTER, BC CA V3L 5G6 Contact: Service Manager

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