

Machine Id LIEBI Component Rear L

LIEBHERR LH30M 153712-1253

Rear Left 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

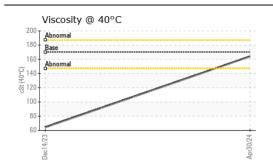
There is no indication of any contamination in the oil.

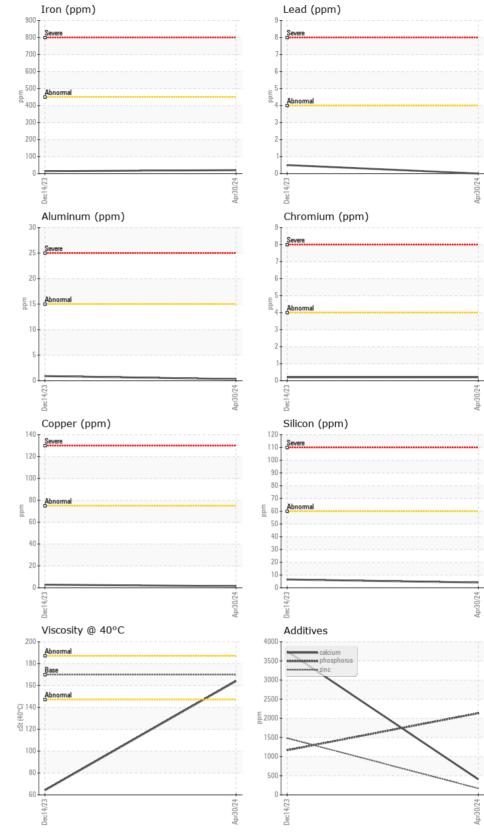
FLUID CONDITION

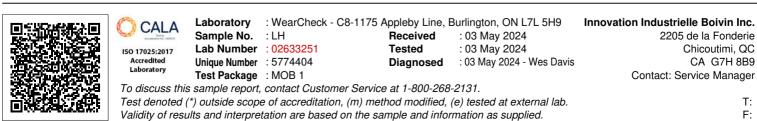
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH	LH	
Sample Date		Client Info		30 Apr 2024	14 Dec 2023	
Machine Age	hrs	Client Info		1001	500	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		None	None	
Sample Status				NORMAL	ABNORMAL	
Iron	ppm	ASTM D5185(m)	>450	20	14	
Chromium	ppm	ASTM D5185(m)	>4	<1	<1	
Nickel	ppm	ASTM D5185(m)	>2	0	<1	
Titanium	ppm	ASTM D5185(m)		0	0	
Silver	ppm	ASTM D5185(m)		0	<1	
Aluminum	ppm	ASTM D5185(m)	>15	<1	<1	
Lead	ppm	ASTM D5185(m)	>4	0	<1	
Copper	ppm	ASTM D5185(m)	>75	2	3	
Tin	ppm	ASTM D5185(m)		0	0	
Vanadium	ppm	ASTM D5185(m)		0	0	
White Metal	scalar	Visual*	NONE	NONE	VLITE	
Yellow Metal	scalar	Visual*	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185(m)	>60	4	6	
Potassium	ppm	ASTM D5185(m)	>20	<1	0	
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					NOTIVIL	
	scalar	Visual*	>0.2	NEG	NEG	
Sodium	scalar ppm	Visual* ASTM D5185(m)	>0.2			
			>0.2	NEG	NEG	
Sodium	ppm	ASTM D5185(m)		NEG 4	NEG 15	
Sodium Boron	ppm ppm	ASTM D5185(m) ASTM D5185(m)	0 0	NEG 4 11	NEG 15 111	
Sodium Boron Barium	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0	NEG 4 11 <1	NEG 15 111 <1	
Sodium Boron Barium Molybdenum	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 0	NEG 4 11 <1 0	NEG 15 111 <1 0	
Sodium Boron Barium Molybdenum Manganese	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 0 0	NEG 4 11 <1 0 1	NEG 15 111 <1 0 1	
Sodium Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 0 0 <1	NEG 4 11 <1 0 1 2	NEG 15 111 <1 0 1 11	
Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 0 <1 <1	NEG 4 11 <1 0 1 2 406	NEG 15 111 <1 0 1 1 11 3754	· · · · · · · · · · · · · · · · · · ·
Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	0 0 0 <1 <1 2143	NEG 4 11 <1 0 1 2 406 2134	NEG 15 111 <1 0 1 1 11 3754 1165	

Submitted By: Marie-Eve Belley







Submitted By: Marie-Eve Belley Page 2 of 2