

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Machine Id LIEBI Component Rear F Fluid GEAR

LIEBHERR LH60M 143695-1475

Rear Right Wheel Hub

GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) GEAR OIL SAE 80W90. Please confirm.

WEAR

All component wear rates are normal.

CONTAMINATION

There is no indication of any contamination in the oil.

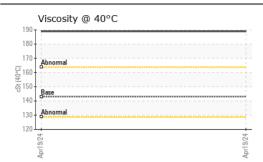
FLUID CONDITION

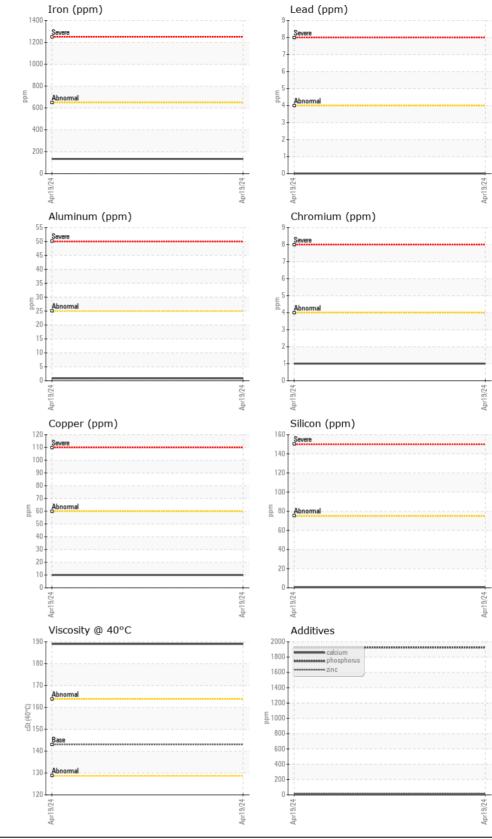
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0248613		
Sample Date		Client Info		19 Apr 2024		
Machine Age	hrs	Client Info		1001		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		None		
Sample Status				NORMAL		
Iron	ppm	ASTM D5185(m)	>650	134		
Chromium	ppm	ASTM D5185(m)	>4	1		
Nickel	ppm	ASTM D5185(m)	>4	0		
Titanium	ppm	ASTM D5185(m)	>4	0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>25	<1		
Lead	ppm	ASTM D5185(m)	>4	0		
Copper	ppm	ASTM D5185(m)	>60	10		
Tin	ppm	ASTM D5185(m)	>4	0		
Vanadium	ppm	ASTM D5185(m)		0		
White Metal	scalar	Visual*	NONE	VLITE		
Yellow Metal	scalar	Visual*	NONE	NONE		
Silicon	ppm	ASTM D5185(m)	>75	<1		
Potassium	ppm	ASTM D5185(m)	>20	<1		
Water	ppm	WC Method	>0.2	NEG		
			NONE	NONE		
Silt	scalar	Visual*				
Silt	scalar scalar	Visual* Visual*		NONE		
	scalar scalar scalar	Visual* Visual* Visual*	NONE			
Debris Sand/Dirt	scalar	Visual*	NONE	NONE		
Debris	scalar scalar	Visual* Visual*	NONE	NONE		
Debris Sand/Dirt Appearance Odor	scalar scalar scalar scalar	Visual* Visual* Visual* Visual*	NONE NORML NORML	NONE NONE NORML NORML		
Debris Sand/Dirt Appearance	scalar scalar scalar	Visual* Visual* Visual*	NONE NONE NORML	NONE NONE NORML		
Debris Sand/Dirt Appearance Odor	scalar scalar scalar scalar	Visual* Visual* Visual* Visual*	NONE NORML NORML	NONE NONE NORML NORML		
Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar	Visual* Visual* Visual* Visual* Visual*	NONE NORML NORML >0.2	NONE NORML NORML NEG	 	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar scalar scalar scalar scalar ppm	Visual* Visual* Visual* Visual* Visual* ASTM D5185(m)	NONE NORML NORML >0.2 >170	NONE NORML NORML NEG 2	 	
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar ppm ppm	Visual* Visual* Visual* Visual* Visual* ASTM D5185(m)	NONE NORML NORML >0.2 >170 400	NONE NORML NORML NEG 2 2		
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar scalar ppm ppm	Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m)	NONE NORML NORML >0.2 >170 400 200	NONE NORML NORML NEG 2 2 2 96		
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar ppm ppm ppm	Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	NONE NORML NORML >0.2 >170 400 200	NONE NORML NORML NEG 2 2 96 0		
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar ppm ppm ppm ppm	Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	NONE NORML NORML >0.2 >170 400 200 12	NONE NORML NORML NEG 2 2 96 0 3		
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium	scalar scalar scalar scalar ppm ppm ppm ppm ppm	Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	NONE NORML NORML >0.2 >170 400 200 12	NONE NORML NORML NEG 2 2 96 0 3 <1		
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	NONE NORML >0.2 >170 400 200 12 12 12	NONE NORML NORML NEG 2 2 96 0 3 <1 5		
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Malybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	NONE NORML >0.2 >170 400 200 12 12 12 150 1650	NONE NORML NORML NEG 2 2 96 0 3 <1 5 1926		
Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm	Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	NONE NORML NORML >0.2 >170 400 200 12 12 12 150 1650 125	NONE NORML NORML NEG 2 2 2 96 0 3 <1 5 1926 16		

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Submitted By: ?





Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CALA 回倫 . Sample No. Received : 26 Apr 2024 : LH0248613 Lab Number : 02631738 Tested : 26 Apr 2024 ISO 17025:2017 Accredited Laboratory Unique Number : 5772891 Diagnosed : 26 Apr 2024 - Wes Davis Test Package : MOBCE To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

Groupe Lebel Inc 21 rue St-Joseph Saint-Michel-de-Squatec, QC CA GOL 4H0 Contact: Service Manager

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