

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Machine Id LIEBHERR LH30M 159983-1253

Splitter Box

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.

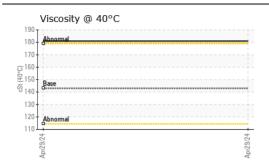
FLUID CONDITION

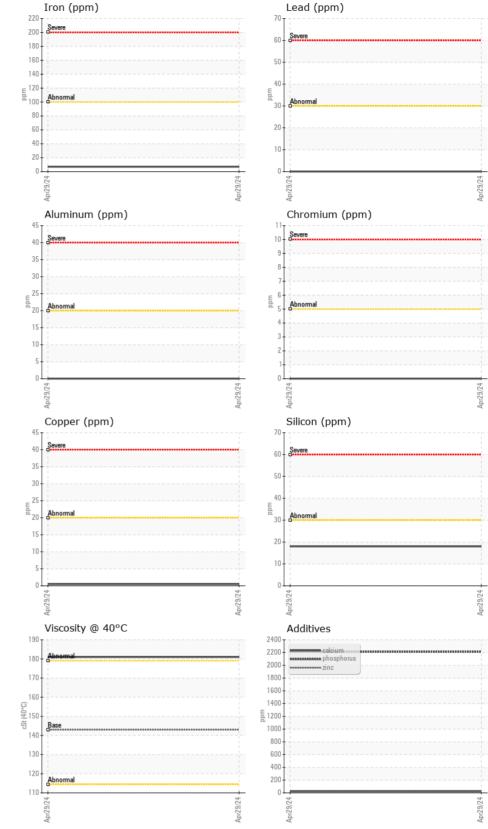
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0260679		
Sample Date		Client Info		29 Apr 2024		
Machine Age	hrs	Client Info		3655		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Filter Changed		Client Info		N/A		
Sample Status			NORMAL			
			400			
Iron	ppm	ASTM D5185(m)	>100	7		
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)	. 00	0		
Aluminum Lead	ppm	ASTM D5185(m)	>20 >30	0		
	ppm	ASTM D5185(m) ASTM D5185(m)		•		
Copper Tin	ppm	ASTM D5185(m)	>20	<1 0		
Vanadium	ppm	ASTM D5185(m)	>10	0		
White Metal	ppm scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
	Scalai	visuai				
Silicon	ppm	ASTM D5185(m)	>30	18		
		/10/111/20/100(11)				
Potassium	ppm	ASTM D5185(m)	>20	0		
Potassium Water			>20 >0.1	-		
		ASTM D5185(m)		0		
Water	ppm	ASTM D5185(m) WC Method	>0.1	0 NEG		
Water Silt	ppm scalar	ASTM D5185(m) WC Method Visual*	>0.1 NONE	0 NEG NONE		
Water Silt Debris	ppm scalar scalar	ASTM D5185(m) WC Method Visual* Visual*	>0.1 NONE NONE	0 NEG NONE NONE		
Water Silt Debris Sand/Dirt	ppm scalar scalar scalar	ASTM D5185(m) WC Method Visual* Visual* Visual*	>0.1 NONE NONE NONE	0 NEG NONE NONE	 	
Water Silt Debris Sand/Dirt Appearance	ppm scalar scalar scalar scalar	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual*	>0.1 NONE NONE NONE NORML	0 NEG NONE NONE NORE	 	
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar scalar	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual*	>0.1 NONE NONE NORML NORML >0.1	0 NEG NONE NONE NORML NORML NEG		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m)	>0.1 NONE NONE NORML >0.1 >170	0 NEG NONE NONE NORML NORML NEG		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual*	>0.1 NONE NONE NORML NORML >0.1 >170 400	0 NEG NONE NONE NORML NORML NEG 1		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m)	 >0.1 NONE NORML NORML >0.1 >170 400 200 	0 NEG NONE NONE NORML NORML NEG 1 1		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m)	>0.1 NONE NONE NORML NORML >0.1 >170 400	0 NEG NONE NONE NORML NORML NEG 1		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	 >0.1 NONE NORML NORML >0.1 >170 400 200 	0 NEG NONE NONE NORML NORML NEG 1 1 0 <1		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	 >0.1 NONE NONE NORML >0.1 >170 400 200 12 	0 NEG NONE NONE NORML NORML NEG 1 1 1 0 <1 0		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	 >0.1 NONE NORML NORML >0.1 >170 400 200 12 12 	0 NEG NONE NONE NORML NORML NEG 1 1 0 <1 0 25		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	 >0.1 NONE NONE NORML >0.1 >170 400 200 12 12 150 	0 NEG NONE NONE NORML NORML NEG 1 1 0 <1 0 <1 0 25 25		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Malybdenum Manganese Magnesium Calcium Phosphorus	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	ASTM D5185(m) WC Method Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	 >0.1 NONE NONE NORML >0.1 >170 400 200 12 12 150 1650 	0 NEG NONE NONE NORML NORML NEG 1 1 0 <1 0 <25 25 25 2212		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m) WC Method Visual* 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)	 >0.1 NONE NORML NORML >0.1 >170 400 200 12 12 150 125 	0 NEG NONE NONE NORML NORML NEG 1 1 0 <1 0 <25 25 25 25 2212 34		

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Submitted By: ?





Laboratory CALA Sample No. : LH0260679 Lab Number : 02633946 ISO 17025:2017 Accredited Laboratory Unique Number : 5775099 Test Package : MOB 1 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.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received :07 May 2024 Tested :07 May 2024 Diagnosed : 07 May 2024 - Wes Davis

Copal Metal 760A Rue Principale Sainte-Julie, QC CA J3E 0C1 Contact: Jordan .

> T: (514)794-0508 F:

Submitted By: ? Page 2 of 2