

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

LIEBHERR A924 019013-957 Component Rear Right Wheel Hub

NOT GIVEN (--- GAL)

# RECOMMENDATION

Resample at the next service interval to monitor.

### **WEAR**

All component wear rates are normal.

## CONTAMINATION

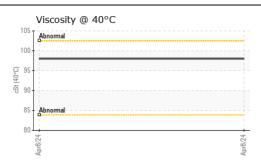
There is no indication of any contamination in the oil.

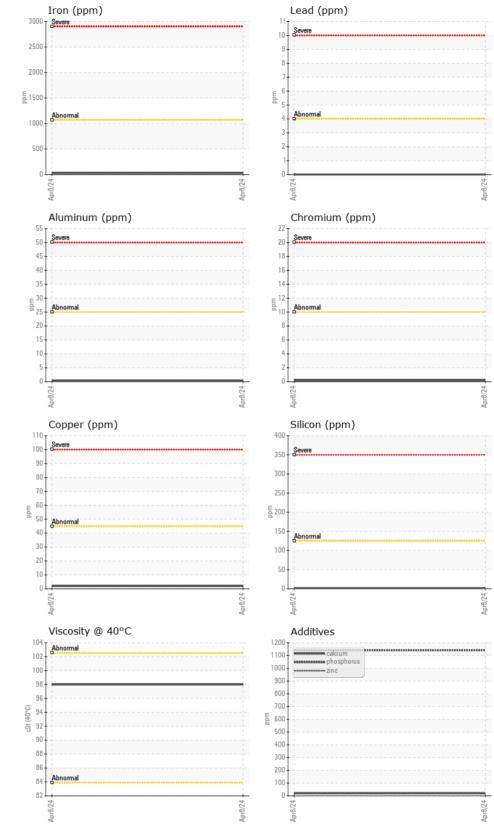
# FLUID CONDITION

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		
Sample Date		Client Info		08 Apr 2024		
Machine Age	hrs	Client Info		0		
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		
Iron		ASTM D5185(m)	>1070	30		
Chromium	ppm	ASTM D5185(m)	>1070	<1		
Nickel	ppm		>4	0		
Titanium	ppm	ASTM D5185(m) ASTM D5185(m)	24	0		
Silver	ppm	ASTM D5185(m)		0		
Aluminum	ppm	ASTM D5185(m)	>25	0 <1		
Lead	ppm ppm	ASTM D5185(m)	>20 >4	<1 0		
Copper		ASTM D5185(m)	>45	2		
Tin	ppm ppm	ASTM D5185(m)	>45	0		
Vanadium	ppm	ASTM D5185(m)	>4	0		
White Metal	scalar	Visual*	NONE	NONE		
Yellow Metal	scalar	Visual*	NONE	NONE		
	Scala					
Silicon	ppm	ASTM D5185(m)	>125	2		
Potassium			>20	<1		
	ppm	ASTM D5185(m)	>20	<b>~</b> !		
Water	ppm	ASTM D5185(m) WC Method	>0.2	NEG		
	ppm scalar	( /				
Water		WC Method	>0.2	NEG		
Water Silt	scalar	WC Method Visual*	>0.2 NONE	NEG NONE		
Water Silt Debris	scalar scalar	WC Method Visual* Visual*	>0.2 NONE NONE	NEG NONE NONE		
Water Silt Debris Sand/Dirt	scalar scalar scalar	WC Method Visual* Visual* Visual*	>0.2 NONE NONE NONE	NEG NONE NONE VLITE		  
Water Silt Debris Sand/Dirt Appearance	scalar scalar scalar scalar	WC Method Visual* Visual* Visual* Visual*	>0.2 NONE NONE NONE NORML	NEG NONE NONE VLITE NORML	  	  
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	scalar scalar scalar scalar scalar scalar scalar	WC Method Visual* Visual* Visual* Visual* Visual* Visual*	>0.2 NONE NONE NORML NORML	NEG NONE VLITE NORML NORML NEG	   	    
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	scalar scalar scalar scalar scalar scalar scalar	WC Method Visual* Visual* Visual* Visual* Visual* Visual*	>0.2 NONE NONE NORML NORML	NEG NONE VLITE NORML NORML NEG		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	scalar scalar scalar scalar scalar scalar ppm	WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m)	>0.2 NONE NONE NORML NORML	NEG NONE VLITE NORML NORML NEG <1 290		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	scalar scalar scalar scalar scalar scalar ppm ppm	WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m)	>0.2 NONE NONE NORML NORML	NEG NONE VLITE NORML NORML NEG <1 290 <1		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	scalar scalar scalar scalar scalar scalar ppm ppm ppm	WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>0.2 NONE NONE NORML NORML	NEG NONE VLITE NORML NORML NEG <1 290 <1 0		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	scalar scalar scalar scalar scalar scalar ppm ppm ppm	WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>0.2 NONE NONE NORML NORML	NEG NONE VLITE NORML NORML NEG <1 290 <1 0 0		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm	WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>0.2 NONE NONE NORML NORML	NEG NONE VLITE NORML NORML NEG <1 290 <1 0 0 6		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm	WC Method Visual* Visual* Visual* Visual* Visual* Visual* ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>0.2 NONE NONE NORML NORML	NEG NONE VLITE NORML NORML NEG <1 290 <1 290 <1 0 0 6 19		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Molybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	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)	>0.2 NONE NONE NORML NORML	NEG NONE VLITE NORML NORML 290 <1 290 <1 0 0 6 19 1142		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Malybdenum Manganese Magnesium Calcium Phosphorus Zinc	scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	WC Method Visual* 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)	>0.2 NONE NONE NORML NORML	NEG NONE VLITE NORML NORML NEG <1 290 <1 0 <1 0 6 19 1142 25		
Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Malybdenum Manganese Magnesium Calcium	scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	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)	>0.2 NONE NONE NORML NORML	NEG NONE VLITE NORML NORML 290 <1 290 <1 0 0 6 19 1142		

Submitted By: Eric Leblond





Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 CALA Sample No. Received :LH : 22 Apr 2024 Lab Number : 02630724 Tested : 22 Apr 2024 ISO 17025:2017 Accredited Laboratory Unique Number : 5763856 Diagnosed : 22 Apr 2024 - Wes Davis 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.

#### **INTERFOR CORP**

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