

WEAR CONTAMINATION FLUID CONDITION

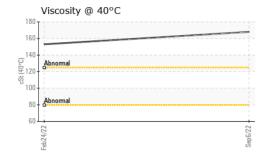
NORMAL NORMAL

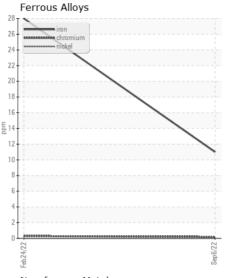


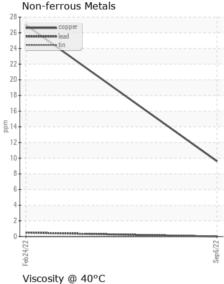
LIEBHERR LH40M 1215-124371

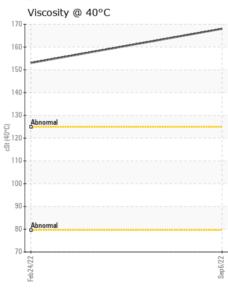
Component Rear Differential

Resample at the next service interval to monitor. Sample Name Client Info 0 0 0 0 0 0 0 0 0	{not provided} (GAL)							
Resample at the next service interval to monitor. Sample Date Client Info 6 s \$ep 2022 H-0213413	RECOMMENDATION	Test	UOM	Method	I imit/Abn	Current	History1	History2
Sample Date Client Info 1949 1033 Machine Age hrs Client Info 1949 1033 Oil Age hrs Client Info 0 0 0 Filter Age hrs Client Info 0 0 0 Filter Age hrs Client Info 0 0 0 Filter Changed Client Info 0 0 0 Oil Changed Client Info 0 0 0 Filter Changed Client Info 0 0 0 0 0 0 0 Sample Status 5 5 5 5 1 1 28 0 0 0 0 0 0 0 0 0			OOM		Little/tori			,
Machine Age hrs Client Info 0 0 0 0 0 0 0 0 0	Hesample at the next service interval to monitor.	•						
Dil Age hrs Client Info 0 0 0 0 0 0 0 0 0			hrs					
Filter Age		_						
Filter Changed Cilent Into Nor Changed Normal Norm		•		Client Info		0	0	
Normal N		Oil Changed		Client Info		Changed	Changed	
Visice Name		Filter Changed		Client Info		Not Changd	None	
Chromium ppm ASTM D5165m 0 0 0 0 0 0 0 0 0		Sample Status				NORMAL	NORMAL	
All component wear rates are normal. Chromium ppm ASTM D5185m 0 0 0 0 Nickel ppm ASTM D5185m 0 0 0 0 Silver ppm ASTM D5185m 1 -1 Aluminum ppm ASTM D5185m 1 -1 Aluminum ppm ASTM D5185m 1 1 Aluminum ppm ASTM D5185m 5 0 Aluminum ppm ASTM D5185m 5 0 Copper ppm ASTM D5185m 5 0 0 Tin ppm ASTM D5185m 5 0 0 Vanadium ppm ASTM D5185m 5 0 0 Vanadium ppm ASTM D5185m 0 0 0 Value Va	WEAR	Iron	mag	ASTM D5185m	>150	11	28	
Nickel ppm ASTM D5168m 0								
Titanium								
Silver								
Aluminum								
Lead		Aluminum		ASTM D5185m	>5		0	
Tin		Lead				0	<1	
Vanadium ppm ASTM D5185m 0 0 0 0 White Metal scalar *Visual NONE		Copper	ppm	ASTM D5185m	>125	10	27	
White Metal Scalar Visual NONE NON		Tin	ppm	ASTM D5185m	>5	0	0	
Yellow Metal Scalar *Visual NONE NON		Vanadium	ppm	ASTM D5185m		0	0	
Silicon ppm ASTM D5185m >20 2 7		White Metal	scalar	*Visual	NONE	NONE	LIGHT	
Potassium		Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Potassium	CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	2	7	
Water WC Method >0.2 NEG NEG	There is no indication of any contamination in the oil.	Potassium		ASTM D5185m	>20	0	1	
Debris Scalar *Visual NONE NONE Sand/Dirt Scalar *Visual NONE NORML NORM		Water				NEG	NEG	
Sand/Dirt scalar *Visual NONE NONE NONE Appearance scalar *Visual NORML NORM		Silt	scalar	*Visual	NONE	NONE	NONE	
Appearance Scalar *Visual NORML NORML NORML Odor Scalar *Visual NORML NORML		Debris	scalar	*Visual	NONE	NONE	VLITE	
Odor scalar *Visual NORML NORM		Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
Emulsified Water scalar *Visual >0.2 NEG NEG		Appearance	scalar	*Visual	NORML	NORML	NORML	
Sodium ppm ASTM D5185m 5 4		Odor	scalar	*Visual	NORML	NORML	NORML	
Boron ppm ASTM D5185m 7 11		Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
Barium ppm ASTM D5185m Q	FLUID CONDITION	Sodium	ppm			5	4	
Molybdenum ppm ASTM D5185m <1	The condition of the oil is acceptable for the time in service.	Boron	ppm			7	11	
Manganese ppm ASTM D5185m <1			ppm					
Magnesium ppm ASTM D5185m <1		•						
Calcium ppm ASTM D5185m 57 309 Phosphorus ppm ASTM D5185m 2189 2381 Zinc ppm ASTM D5185m 16 77 Sulfur ppm ASTM D5185m 25056 27084 Visc @ 40°C cSt ASTM D445 168 153		-						
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Visc @ 40°C cSt ASTM D445 153								
Depart 14: CADEON [MI] ICCADI 0004754 (Conserted: 00/45/0004 40:04:44) Devi 4		visc @ 40°C	cSt	ASTM D445		168	153	











Certificate L2367

Laboratory Sample No.

: LH0236272 Lab Number : 05641754 Unique Number : 10136293 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 14 Sep 2022 **Tested** : 15 Sep 2022

Diagnosed : 15 Sep 2022 - Angela Borella

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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SADOFF IRON AND METAL

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