

Machine Id LIEBI Component Splitte

## LIEBHERR LH60M 111784-1217

Splitter Box

## LIEBHERR GEAR BASIC 90 LS (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LHMC165952	LH0268687	LHMC98755
Sample Date		Client Info		11 Apr 2024	29 Jan 2024	18 Oct 2019
Machine Age	hrs	Client Info		10104	9721	1084
Oil Age	hrs	Client Info		0	1000	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	Changed
Sample Status				ATTENTION	ATTENTION	NORMAL
		40TH DE105		40	40	
Iron	ppm	ASTM D5185m	>100	13	16	19
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>20	1	<1	2
Lead	ppm	ASTM D5185m	>30	<1	<1	0
Copper	ppm	ASTM D5185m	>20	5	6	<1
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>30	3	2	<1
Potassium	ppm	ASTM D5185m	>20	2	1	5
Water	ppin	WC Method	>0.1	2 NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>25	<1	1	4
Boron	ppm	ASTM D5185m	0	27	39	177
Barium	ppm	ASTM D5185m	0	0	0	2
Molybdenum	ppm	ASTM D5185m	0	1	0	2
Manganese	ppm	ASTM D5185m	0	0	<1	<1
Magnesium	ppm	ASTM D5185m	<1	11	5	13
Calcium	ppm	ASTM D5185m	<1	157	180	130
Phosphorus	ppm	ASTM D5185m	2143	606	698	1471
Zinc	ppm	ASTM D5185m	<1	113	124	98
Sulfur	ppm	ASTM D5185m	23468	14102	13921	8846
	cSt	ASTM D445	170	<b>108</b>	00 7	1/1

ASTM D445 170 (- 108

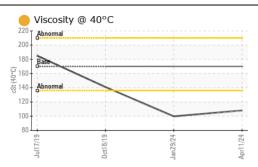
Visc @ 40°C

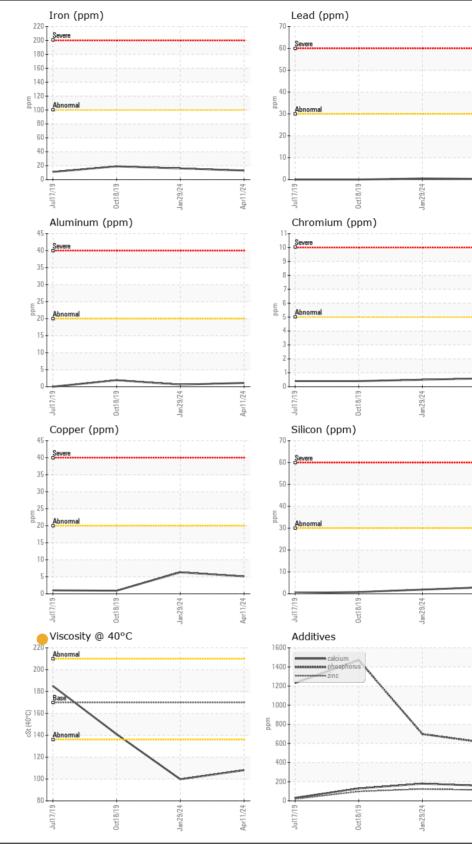
cSt

Contact/Location: JIM SCHEBERL - LEC0007

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AMERICAN STATE EQUIPMENT CO. Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. Received 2055 SOUTH 108TH STREET : LHMC165952 : 18 Apr 2024 Lab Number : 06153842 Tested MILWAUKEE, WI : 24 Apr 2024 Diagnosed Unique Number : 10989265 : 24 Apr 2024 - Jonathan Hester US 53227 Test Package : MOB 1 Contact: JIM SCHEBERL Certificate L2367 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)

T: (414)541-8700 F: (414)541-1892

Apr11/24

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Contact/Location: JIM SCHEBERL - LEC0007 Page 2 of 2