

WEAR CONTAMINATION FLUID CONDITION

NORMAL

ABNORMAL

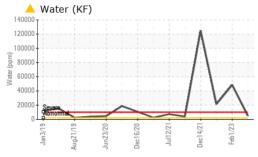
NORMAL

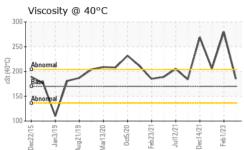


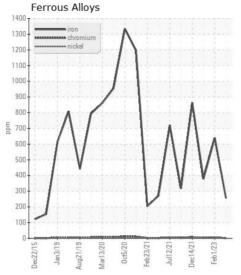
LIEBHERR LH30 1200-72685

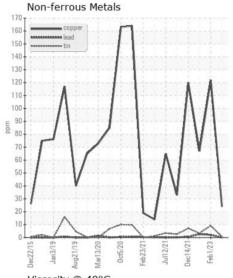
Component Swing Drive

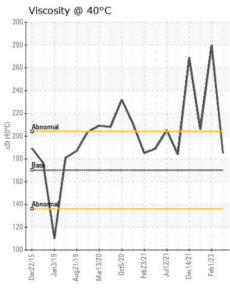
LIEBHERR GEAR BASIC 90 LS	(GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check for the source of water entry. Resample at the next service interval to monitor.	Sample Number		Client Info		LH0244927	LH0230021	LH0207592
	Sample Date		Client Info		07 Apr 2023	01 Feb 2023	15 Feb 2022
	Machine Age	hrs	Client Info		15487	15074	12769
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Not Changd	Changed	Not Changd
	Filter Changed		Client Info		Changed	Changed	Not Changd
	Sample Status				ABNORMAL	SEVERE	SEVERE
WEAR	Iron	ppm	ASTM D5185m	>1450	256	640	378
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>11	1	6	4
	Nickel	ppm	ASTM D5185m	>3	0	2	3
	Titanium	ppm	ASTM D5185m		0	0	<1
	Silver	ppm	ASTM D5185m		0	<1	<1
	Aluminum	ppm	ASTM D5185m	>4	<1	2	1
	Lead	ppm	ASTM D5185m		0	2	3
	Copper	ppm	ASTM D5185m	>542	24	122	67
	Tin	ppm	ASTM D5185m	>38	<1	9	3
	Vanadium	ppm	ASTM D5185m		0	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION Moderate concentration of visible dirt/debris present in the oil. There is a moderate concentration of water present in the oil.	Silicon	ppm	ASTM D5185m	>15	<1	4	5
	Potassium	ppm	ASTM D5185m	>20	0	0	3
	Water	%	ASTM D6304	>0.2	<u>▲</u> 0.521	4.83	2.13
	ppm Water	ppm	ASTM D6304		<u>▲</u> 5210	48300	1 21300
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	▲ MODER	LIGHT	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	MILKY	HAZY
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	<u> </u>	1 0.2%	▲ 0.2%
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	0	3
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		0	6	6
	Barium	ppm	ASTM D5185m		0	2	7
	Molybdenum	ppm	ASTM D5185m		0	<1	<1
	Manganese	ppm	ASTM D5185m		2	5	4
	Magnesium	ppm	ASTM D5185m		4	4	5
	Calcium	ppm	ASTM D5185m		25	13	29
	Phosphorus	ppm	ASTM D5185m		1893	2198	2399
	Zinc	ppm	ASTM D5185m		0	35	27
	Sulfur	ppm	ASTM D5185m		25056	35965	25056
	Visc @ 40°C	cSt	ASTM D445	170	185	<u>▲</u> 279.8	206















Certificate L2367

Laboratory Unique Number : 10439305

Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : LH0244927 Lab Number : 05825812

Received : 20 Apr 2023 Tested

: 21 Apr 2023 : 24 Apr 2023 - Don Baldridge Diagnosed

Test Package : CONST (Additional Tests: KF)

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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