

Machine Id 145797-1218 LIEBHERR LH80M 145797-1218

Swing Drive

LIEBHERR GEAR BASIC 90 LS (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR			_
	VA/	$\vdash \Delta$	R

Gear wear is indicated. Bearing and/or bushing wear is indicated.

CONTAMINATION

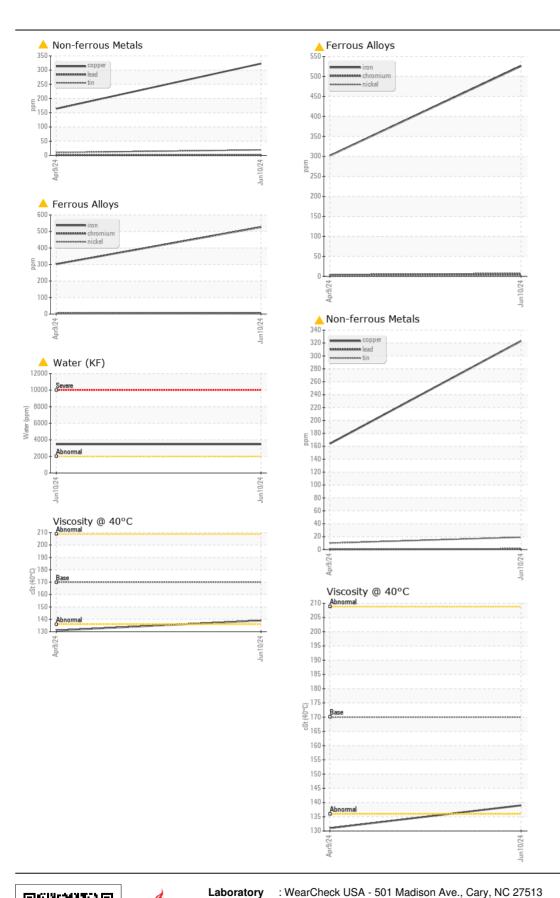
There is a light concentration of water present in the oil.

FLUI		

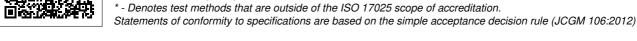
The condition of the oil is acceptable for the time in service.

	- GAL)						
Т	est	UOM	Method	Limit/Abn	Current	History1	History2
S	Sample Number		Client Info		LH0257706	LH0257719	
S	Sample Date		Client Info		10 Jun 2024	09 Apr 2024	
N	Achine Age	hrs	Client Info		2017	1579	
C	Dil Age	hrs	Client Info		1000	500	
F	Filter Age	hrs	Client Info		0	500	
	Dil Changed		Client Info		Changed	Not Changd	
F	Filter Changed		Client Info		Changed	Not Changd	
S	Sample Status				ABNORMAL	NORMAL	
lr	ron	ppm	ASTM D5185m	>350	5 26	302	
C	Chromium	ppm	ASTM D5185m	>15	6	4	
Ν	lickel	ppm	ASTM D5185m	>5	3	2	
Т	ītanium	ppm	ASTM D5185m		<1	<1	
S	Silver	ppm	ASTM D5185m		<1	0	
A	luminum	ppm	ASTM D5185m	>5	2	2	
L	ead	ppm	ASTM D5185m	>10	<1	<1	
C	Copper	ppm	ASTM D5185m	>300	<mark>▲</mark> 323	164	
Т	īn	ppm	ASTM D5185m	>15	4 19	10	
٧	/anadium	ppm	ASTM D5185m		<1	0	
۷	Vhite Metal	scalar	*Visual	NONE	NONE	NONE	
Y	ellow Metal	scalar	*Visual	NONE	NONE	NONE	
· · · ·			ASTM D5185m	>15	4	3	
	Silicon	ppm			-	3	
	Potassium	ppm	ASTM D5185m	>20	2		
	Vater	%	ASTM D6304	>0.2	▲ 0.346		
	opm Water	ppm	ASTM D6304	>2000	A 3460		
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
		scalar	*Visual	NONE	NONE NORML		
	Appearance	scalar	*Visual	NORML	-	NORML	
	Ddor	scalar	*Visual		NORML	NORML	
	mulsified Water	scalar	*Visual	>0.2	0.2%	NEG	
S	Sodium	ppm	ASTM D5185m		1	<1	
Е	Boron	ppm	ASTM D5185m	0	70	203	
В	Barium	ppm	ASTM D5185m	0	2	<1	
N	/lolybdenum	ppm	ASTM D5185m	0	8	7	
Ν	/anganese	ppm	ASTM D5185m	0	4	2	
	/lagnesium	ppm	ASTM D5185m	<1	45	41	
	Calcium	ppm	ASTM D5185m	<1	196	91	
	hosphorus	ppm	ASTM D5185m	2143	2434	2242	
	linc	ppm	ASTM D5185m	<1	146	64	
	Sulfur	ppm	ASTM D5185m	23468	19285	19140	
	/isc @ 40°C	cSt	ASTM D445	170	139	131	
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Contact/Location: Dale Shaw - TEXHOUWC



TEXAS PORT RECYCLING - HOUSTON PORT : WearCheck USA - 501 Madison Ave., Cary, NC 27513 8945 MANCHESTER ST : 27 Jun 2024 HOUSTON, TX : 28 Jun 2024 : 29 Jun 2024 - Don Baldridge US 77012 Contact: Dale Shaw dale.shaw@tmrecycling.com T: F: (713)921-5545



Certificate L2367

Sample No.

Lab Number : 06222707

Unique Number : 11100904

: LH0257706

Test Package : CONST (Additional Tests: KF)

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

Received

Diagnosed

Tested

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