

WEAR ABNORMAL CONTAMINATION SEVERE FLUID CONDITION ATTENTION

Machine Id LIEBI Component Swing Fluid SUPEI

LIEBHERR LH30M 1253-123497

Swing Drive

SUPER S 80W90 LS (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We recommend an early resample to monitor this condition.

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Gear wear is indicated.

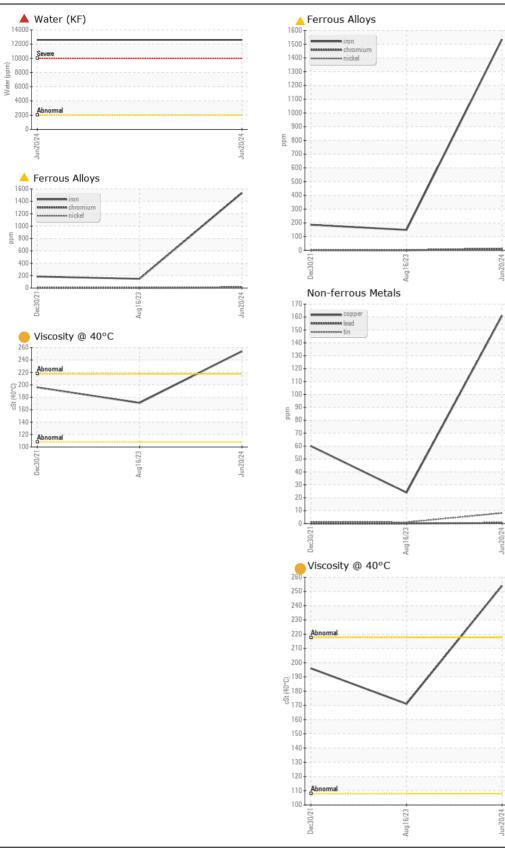
CONTAMINATION

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

FLUID CONDITION

The oil viscosity is higher than normal. The oil is no longer serviceable due to the presence of contaminants.

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0273451	LH0258292	LH0212309
Sample Date		Client Info		20 Jun 2024	16 Aug 2023	30 Dec 2021
Machine Age	hrs	Client Info		5603	3960	981
Oil Age	hrs	Client Info		500	0	0
Filter Age	hrs	Client Info		500	0	0
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		Changed	Changed	None
Sample Status				SEVERE	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>1450	1535	149	186
Chromium	ppm	ASTM D5185m	>11	12	<1	2
Nickel	ppm	ASTM D5185m	>3	0	0	0
Titanium	ppm	ASTM D5185m	- 0	0	0	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>4	0	0	0
Lead	ppm	ASTM D5185m	>4	۰ <1	0	0
Copper	ppm	ASTM D5185m	>542	161	24	60
Tin	ppm	ASTM D5185m	>38	8	1	1
Vanadium	ppm	ASTM D5185m	200	0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Tellow Metal Scalar Visual MONE					NONE	NONL
Silicon	ppm	ASTM D5185m	>15	4	<1	3
Potassium	ppm	ASTM D5185m	>20	0	<1	0
Water	%	ASTM D6304	>0.2	1.26		
ppm Water	ppm	ASTM D6304	>2000	12600		
Silt	scalar	*Visual	NONE	NONE	NONE	VLITE
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	>0.2	A 0.2%	NEG	NEG
Sodium	ppm	ASTM D5185m		2	2	4
Boron	ppm	ASTM D5185m		1	1	54
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		0	0	1
Manganese	ppm	ASTM D5185m		10	2	2
Magnesium	ppm	ASTM D5185m		2	2	6
Calcium	ppm	ASTM D5185m		24	41	28
Phosphorus	ppm	ASTM D5185m		2325	2314	2375
Zinc	ppm	ASTM D5185m		51	23	22
Sulfur	ppm	ASTM D5185m		32168	25056	25056
Visc @ 40°C	cSt	ASTM D445		254	171	196
						nitted By: ?



: WearCheck USA - 501 Madison Ave., Cary, NC 27513 SPARTAN RECYCLING Laboratory 回行 Sample No. : LH0273451 Received 3071 HOWARD ST : 27 Jun 2024 Lab Number : 06222645 Tested SPARTANBURG, SC : 02 Jul 2024 Unique Number : 11100842 Diagnosed : 02 Jul 2024 - Don Baldridge US 29303 Test Package : CONST (Additional Tests: KF) Contact: SERVICE MANAGER 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. T: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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