

Current

LH0264433

History1

History2

LH0268875 LH0220687

Limit/Abn

Machine Id LIEBI Componen Swing

LIEBHERR A918 095565-1184

Swing Drive

LIEBHERR GEAR BASIC 90 LS (--- GAL)

Test

Sample Number

RECOMMENDATION

We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

V	V	E,	Α	R

Gear wear is indicated.

CONTAMINATION

FLUID CONDITION

There is a light concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil.

Campio Hamboi				LINEOTTO		LITOLLOOOT
Sample Date		Client Info		12 Jun 202	4 24 Jan 2024	23 Sep 2022
Machine Age	hrs	Client Info		17064	15862	9705
Oil Age	hrs	Client Info		1000	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				ABNORMA	SEVERE	NORMAL
Iron	ppm	ASTM D5185m	>350	497	4 15	84
Chromium	ppm	ASTM D5185m	>15	3	3	<1
Nickel	ppm	ASTM D5185m	>5	<1	1	0
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>5	3	1	<1
Lead	ppm	ASTM D5185m	>10	0	1	0
Copper	ppm	ASTM D5185m	>300	25	50	76
Tin	ppm	ASTM D5185m	>15	<1	2	2
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>15	5	3	2
Potassium	ppm	ASTM D5185m	>20	2	2	<1
Water	%	ASTM D6304	>0.2	6 0.828	1 .84	
ppm Water	ppm	ASTM D6304	>2000	<u> </u>	18400	
Silt	scalar	*Visual	NONE	NONE	MODER	NONE
Debris	scalar	*Visual	NONE		R 🔺 MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORM	- HAZY	NORML
Odor	scalar	*Visual	NORML	NORM	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	A 0.2%	▲ 0.2%	NEG
Sodium	ppm	ASTM D5185m		<1	2	1
Boron	ppm	ASTM D5185m	0	128	247	203
Barium	ppm	ASTM D5185m	0	<1	<1	0
Molybdenum	ppm	ASTM D5185m	0	2	<1	<1
			0	4	3	<1
Manganese	ppm	ASTM D5185m	0	-	-	
Manganese Magnesium	ppm ppm	ASTM D5185m ASTM D5185m	<1	21	6	4
0						4 26
Magnesium	ppm	ASTM D5185m	<1	21	6	
Magnesium Calcium	ppm ppm	ASTM D5185m ASTM D5185m	<1 <1	21 149	6 19	26
Magnesium Calcium Phosphorus	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	<1 <1 2143	21 149 1024	6 19 1885	26 1582

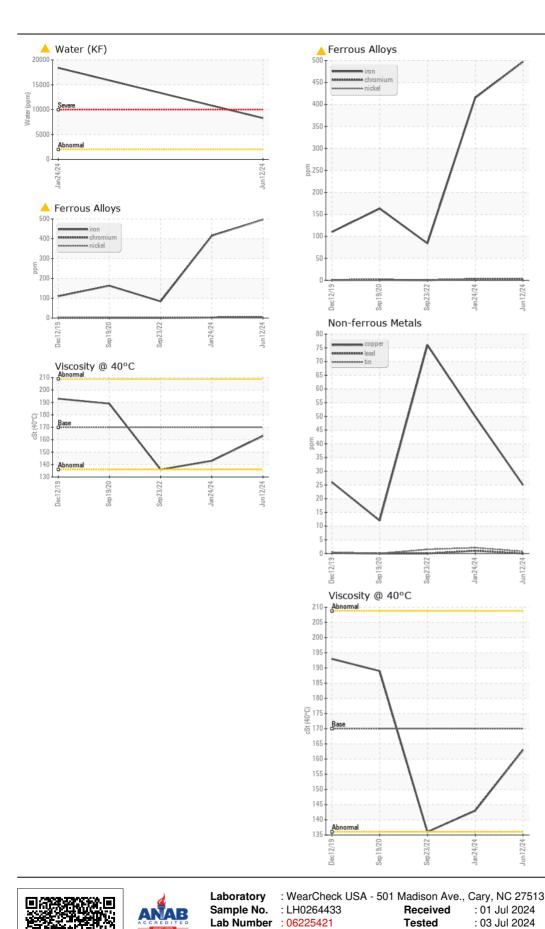
Method

Client Info

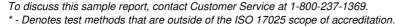
UOM

The oil is no longer serviceable due to the presence of contaminants.

Contact/Location: Service Manager - UNIBURIL



UNITED SCRAP 1545 S CICERO AVE BURR RIDGE, IL US 60527 Contact: Service Manager



Test Package : CONST (Additional Tests: KF)

Unique Number : 11103618

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Diagnosed

: 03 Jul 2024 - Angela Borella



Certificate L2367

Contact/Location: Service Manager - UNIBURIL Page 2 of 2