

WEAR ABNORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

Machine Id LIEBHE Component Front Rig

LIEBHERR LH40M 1215-149851

Front Right Wheel Hub

LIEBHERR GEAR BASIC 90 LS (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

The copper level is abnormal. All other component wear rates are normal.

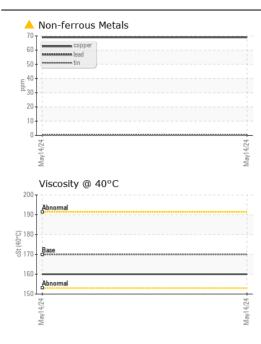
CONTAMINATION

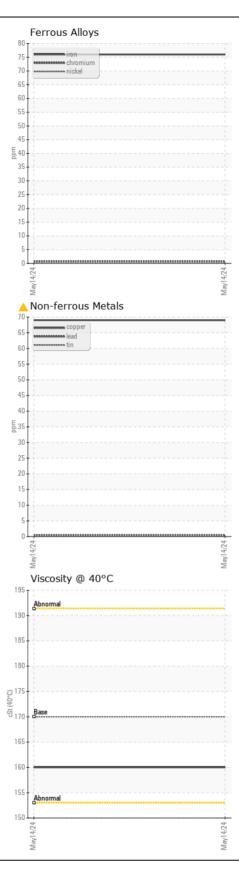
There is no indication of any contamination in the oil.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0273636		
Sample Date		Client Info		14 May 2024		
Machine Age	hrs	Client Info		549		
Oil Age	hrs	Client Info		549		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Not Changd		
Filter Changed		Client Info		N/A		
Sample Status				ABNORMAL		
			050			
Iron	ppm	ASTM D5185m	>650	76		
Chromium	ppm	ASTM D5185m	>4	<1		
Nickel	ppm	ASTM D5185m	>4	<1		
Titanium	ppm	ASTM D5185m	>4	<1		
Silver	ppm	ASTM D5185m	0.5	0		
Aluminum	ppm	ASTM D5185m	>25	3		
Lead	ppm	ASTM D5185m	>4	<1		
Copper	ppm	ASTM D5185m	>60	6 9		
Tin	ppm	ASTM D5185m	>4	<1		
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	NONE		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>75	19		
Potassium	ppm	ASTM D5185m	>20	3		
Water		WC Method	>0.2	NEG		
Silt	scalar	*Visual	NONE	NONE		
Debris	scalar	*Visual	NONE	NONE		
Sand/Dirt	scalar	*Visual	NONE	NONE		
Appearance	scalar	*Visual	NORML	NORML		
Odor	scalar	*Visual	NORML	NORML		
Emulsified Water	scalar	*Visual	>0.2	NEG		
Sodium	ppm	ASTM D5185m		2		
Boron	ppm	ASTM D5185m	0	5		
Barium	ppm	ASTM D5185m	0	1		
Molybdenum	ppm	ASTM D5185m		<1		
Manganese	ppm	ASTM D5185m	0	4		
Magnesium	ppm	ASTM D5185m	<1	2		
Calcium	ppm	ASTM D5185m	<1	- 59		
Phosphorus	ppm	ASTM D5185m	2143	1412		
Zinc	ppm	ASTM D5185m	<1	46		
Sulfur	ppm	ASTM D5185m	23468	19016		
Visc @ 40°C	cSt	ASTM D445	170	16010		

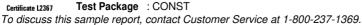




: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 19 Jun 2024 : 20 Jun 2024 Diagnosed : 21 Jun 2024 - Sean Felton

STAINLESS STEL MIDWEST

2615 KY-146 LAGRANGE, KY US 40031 Contact: Service Manager



Lab Number : 06215143

Unique Number : 11088007

Laboratory

Sample No.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

: LH0273636

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

Tested

Submitted By: ? Page 2 of 2

T:

F: