



Machine Id LIEBHERR L566 1758-71605 Component Rear Right Wheel Hub

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. We recommend an early resample to monitor this condition.

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Bearing and/or bushing wear is indicated. All other metal levels are typical for a new component breaking in.

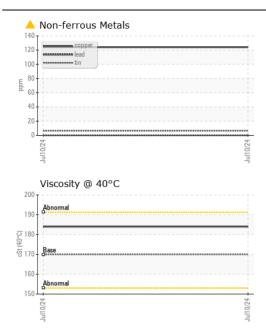
CONTAMINATION

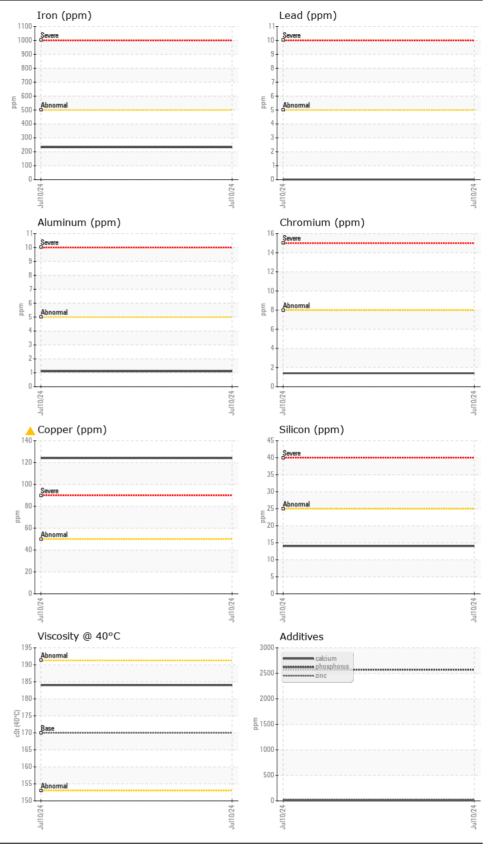
There is no indication of any contamination in the oil.

FLUID CONDITION

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

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LH0277178		
Sample Date		Client Info		10 Jul 2024		
Machine Age	hrs	Client Info		2470		
Oil Age	hrs	Client Info		0		
Filter Age	hrs	Client Info		0		
Oil Changed		Client Info		Changed		
Filter Changed		Client Info		None		
Sample Status				ABNORMAL		
Iron	ppm	ASTM D5185m	>500	232		
Chromium	ppm	ASTM D5185m	>8	1		
Nickel	ppm	ASTM D5185m	>5	5		
Titanium	ppm	ASTM D5185m		0		
Silver	ppm	ASTM D5185m	_	0		
Aluminum	ppm	ASTM D5185m	>5	1		
Lead	ppm	ASTM D5185m	>5	0		
Copper	ppm	ASTM D5185m	>50	A 124		
Tin	ppm	ASTM D5185m		6		
Vanadium	ppm	ASTM D5185m		0		
White Metal	scalar	*Visual	NONE	MODER		
Yellow Metal	scalar	*Visual	NONE	NONE		
Silicon	ppm	ASTM D5185m	>25	14		
Potassium	ppm	ASTM D5185m	>20	<1		
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		4		
Boron	ppm	ASTM D5185m	0	0		
Barium	ppm	ASTM D5185m	0	0		
Molybdenum	ppm	ASTM D5185m	0	0		
Manganese	ppm	ASTM D5185m	0	20		
Magnesium	ppm	ASTM D5185m	<1	3		
Calcium	ppm	ASTM D5185m	<1	9		
Phosphorus	ppm	ASTM D5185m	2143	2571		
Zinc	ppm	ASTM D5185m	<1	26		
Sulfur	ppm	ASTM D5185m	23468	35283		
Visc @ 40°C	cSt	ASTM D445	170	184		
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BARRETT/COLAS Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : LH0277178 Received 4800 SOLVAY RD : 15 Jul 2024 Lab Number : 06237189 Tested JAMESVILLE, NY : 17 Jul 2024 Unique Number : 11126023 Diagnosed : 17 Jul 2024 - Don Baldridge US 13078 Test Package : MOBCE 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:

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

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