

**WEAR CONTAMINATION FLUID CONDITION**  **NORMAL NORMAL NORMAL** 



## Machine Id 141097-1216 LIEBHERR LH50M 141097-1216

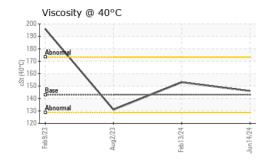
Rear Right Wheel Hub							
GEAR OIL SAE 80W90 ( GAI	_)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Number		Client Info		DJJ0023788	DJJ0011176	DJJ0011198
	Sample Date		Client Info		14 Jun 2024	13 Feb 2024	02 Aug 2023
	Machine Age	hrs	Client Info		4048	3271	2008
	Oil Age	hrs	Client Info		0	0	1500
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	nnm	ASTM D5185m	. 225	9	26	32
WLAN	Iron Chromium	ppm	ASTM D5185m		۶ <1	0	0
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m	72	<1	0	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m	>10	2	0	0
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		4	17	1
	Tin	ppm	ASTM D5185m		0	0	0
	Vanadium	ppm	ASTM D5185m		0	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	0						
CONTAMINATION	Silicon	ppm	ASTM D5185m		2	9	1
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		<1 NEO	0	0
	Water	cooler	WC Method		NEG	NEG	NEG NONE
	Debris	scalar scalar	*Visual	NONE	NONE NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor		*Visual	NORML	NORML	NORML	NORML
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	2	1
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		1	2	0
	Barium	ppm	ASTM D5185m		0	<1	0
	Molybdenum	ppm	ASTM D5185m	12	<1	<1	1
	Manganese	ppm	ASTM D5185m	10	0	<1	<1
	Magnesium	ppm	ASTM D5185m		2	2	7
	Calcium	ppm	ASTM D5185m		23	146	180
	Phosphorus	ppm	ASTM D5185m		487	1421	708
	Zinc	ppm		125	14	52	88
	Sulfur	ppm	ASTM D5185m	22300	13484	19334	20820

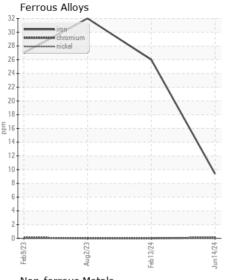
Visc @ 40°C

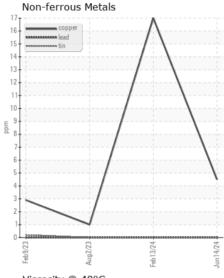
153

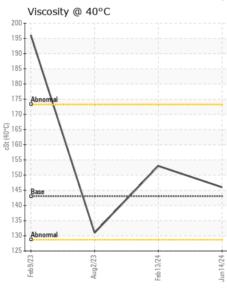
146

ASTM D445 143











Certificate L2367

Laboratory Sample No. Unique Number : 11086770

Test Package : CONST

: DJJ0023788 Lab Number : 06213906

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Jun 2024 **Tested** : 20 Jun 2024

Diagnosed : 20 Jun 2024 - Wes Davis

**METAL RECYCLING SERVICES - GASTONIA** 

5401 S YORK HWY GASTONIA, NC US 28052

F: (704)864-9863

Contact: RYAN BOWDEN

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.

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

Report Id: METGAS [WUSCAR] 06213906 (Generated: 06/21/2024 19:03:19) Rev: 1

Contact/Location: RYAN BOWDEN - METGAS