

WEAR CONTAMINATION **FLUID CONDITION**

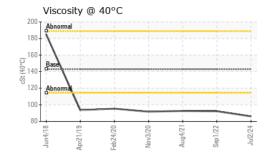
NORMAL NORMAL NORMAL

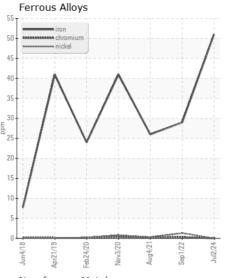


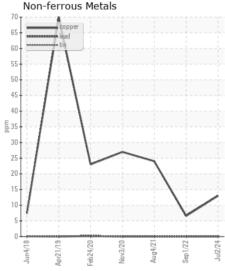
LIEBHERR Machine Id **LIEBHERR LH50M 102002-1216**

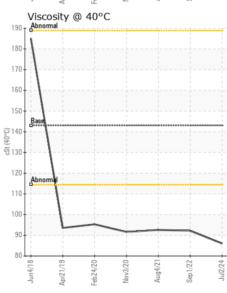
Rear Differential

GEAR OIL SAE 80W90 (GAL					.,		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		DJJ0023731	LH0236556	DJJ0000796
	Sample Date		Client Info		02 Jul 2024	01 Sep 2022	04 Aug 2021
	Machine Age	hrs	Client Info		12993	9562	7533
	Oil Age	hrs	Client Info		0	500	1000
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Not Changd	Changed
	Filter Changed		Client Info		Not Changd	N/A	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>150	51	29	26
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>2	0	<1	<1
	Nickel	ppm	ASTM D5185m	>2	0	1	<1
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>4	0	0	0
	Aluminum	ppm	ASTM D5185m	>7	<1	1	1
	Lead	ppm	ASTM D5185m	>4	0	0	0
	Copper	ppm	ASTM D5185m	>135	13	7	24
	Tin	ppm	ASTM D5185m	>3	0	0	0
	Vanadium	ppm	ASTM D5185m		0	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	LIGHT	MODER
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>30	8	11	2
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	1	1	<1
	Water		WC Method	>0.2	NEG	NEG	NEG
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	LIGHT	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	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>170	4	3	<1
Confirm oil type. The condition of the oil is acceptable for the time in	Boron	ppm	ASTM D5185m	400	3	5	18
service.	Barium	ppm	ASTM D5185m	200	0	0	0
	Molybdenum	ppm	ASTM D5185m	12	<1	1	<1
	Manganese	ppm	ASTM D5185m		<1	<1	1
	Magnesium	ppm	ASTM D5185m	12	5	8	7
	Calcium	ppm	ASTM D5185m		70	57	24
	Phosphorus	ppm	ASTM D5185m		363	329	349
	Zinc	ppm	ASTM D5185m		35	30	24
	Sulfur	ppm	ASTM D5185m		19087	16882	13391
	Visc @ 40°C	cSt	ASTM D445	143	86.0	92.2	92.6











Certificate L2367

Laboratory Sample No.

Lab Number : 06232631 Unique Number : 11116124 Test Package : CONST

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : DJJ0023731 Received : 10 Jul 2024 **Tested** : 11 Jul 2024

Diagnosed

: 12 Jul 2024 - Don Baldridge

METAL RECYCLING SERVICES - MONROE

150 S BIVENS RD MONROE, NC US 28112

Contact: Service Manager

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)

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