

WEAR
CONTAMINATION
FLUID CONDITION

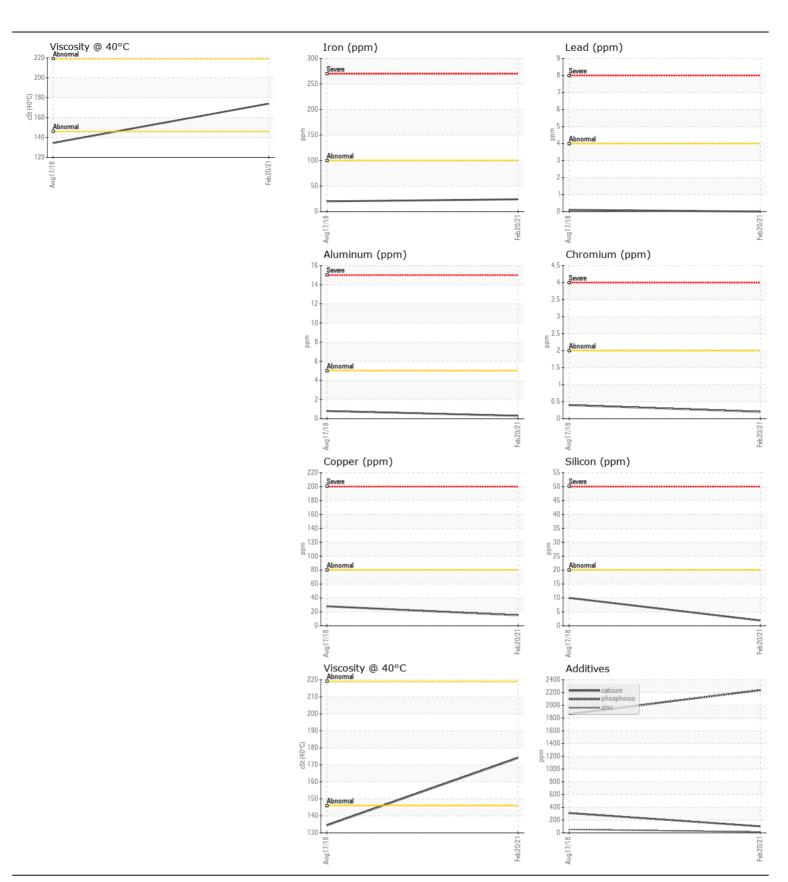
NORMAL NORMAL



LIEBHERR LH50M 1203-88008

Component Rear Differential

LIEBHERR GEAR BASIC 90 LS	(GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		LHMC144351	LHMC130745	
	Sample Date		Client Info		20 Feb 2021	17 Aug 2018	
	Machine Age	hrs	Client Info		3069	980	
	Oil Age	hrs	Client Info		1069	980	
	Filter Age	hrs	Client Info		0	0	
	Oil Changed		Client Info		Not Changd	Not Changd	
	Filter Changed		Client Info		Not Changd	N/A	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>100	24	20	
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>2	<1	<1	
	Nickel	ppm	ASTM D5185m	>2	0	<1	
	Titanium	ppm	ASTM D5185m		0	0	
	Silver	ppm	ASTM D5185m	>4	<1	0	
	Aluminum	ppm	ASTM D5185m	>5	<1	<1	
	Lead	ppm	ASTM D5185m	>4	0	<1	
	Copper	ppm	ASTM D5185m	>80	15	28	
	Tin	ppm	ASTM D5185m	>5	0	0	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	LIGHT	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	2	10	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	0	7	
	Water		WC Method	>0.2	NEG	NEG	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	ppm	ASTM D5185m		10	23	
The condition of the oil is acceptable for the time in service.	Boron	ppm	ASTM D5185m		18	8	
The solution of the decopulation of the time in solution	Barium	ppm	ASTM D5185m		0	2	
	Molybdenum	ppm	ASTM D5185m		1	3	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m		0	2	
	Calcium	ppm	ASTM D5185m		102	310	
	Phosphorus	ppm	ASTM D5185m		2237	1860	
	Zinc	ppm	ASTM D5185m		14	54	
	Sulfur	ppm	ASTM D5185m		24004	20324	
	Visc @ 40°C	cSt	ASTM D445		174	134.4	
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Certificate L2367

Laboratory Sample No. Lab Number

Unique Number : 9404168

: LHMC144351 : 05202759 Test Package : MOB 1

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 12 Mar 2021 : 15 Mar 2021 Diagnosed

Diagnostician : Wes Davis 2208 PLAINFIELD PIKE JOHNSTON, RI US 02919

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)

T:

F:

JR VINAGRO