

WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

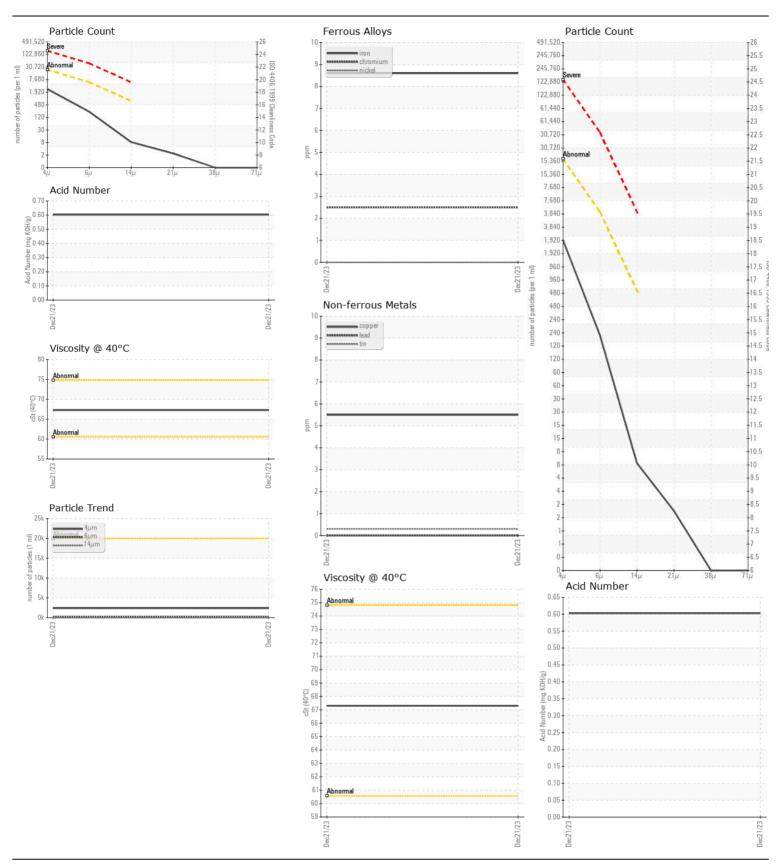


[MH-4] Machine Id LIEBHERR R954B MH-4 (S/N 015630-629)

Component Hydraulic System

DURALENE ZFH HVI 68 (--- GAL)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
RECOMMENDATION	Sample Number		Client Info	LIIIIII/ADII	DC0027584		HISTORYZ
Resample at the next service interval to monitor.	Sample Number		Client Info		21 Dec 2023		
	Machine Age	hrs	Client Info		12300		
	Oil Age	hrs	Client Info		2000		
	Filter Age	hrs	Client Info		1000		
	Oil Changed	1115	Client Info		Not Changd		
	Filter Changed		Client Info		Changed		
	Sample Status		Ciletit IIIIO		NORMAL		
					INONIVIAL		
WEAR	Iron	ppm	ASTM D5185m	>50	9		
	Chromium	ppm	ASTM D5185m	>15	2		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>5	0		
	Titanium	ppm	ASTM D5185m		34		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>8	2		
	Lead	ppm	ASTM D5185m	>5	0		
	Copper	ppm	ASTM D5185m	>15	6		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	3		
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.	Potassium	ppm	ASTM D5185m	>20	2		
	Water		WC Method	>0.1	NEG		
	Particles >4μm		ASTM D7647	>20000	2391		
	Particles >6µm		ASTM D7647	>5000	198		
	Particles >14μm		ASTM D7647	>640	7		
	Particles >21µm		ASTM D7647		2		
	Particles >38μm		ASTM D7647	>40	0		
	Particles >71μm		ASTM D7647	>10	0		
	Oil Cleanliness		ISO 4406 (c)	>21/19/16	18/15/10		
	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	>0.1	NEG		
ELUID CONDITION	Sodium	nnm	ASTM D5185m		1		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1 65		
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.	Boron Barium	ppm	ASTM D5185m				
		ppm			0		
	Molybdenum	ppm	ASTM D5185m ASTM D5185m		5		
	Maganese	ppm			107		
	Magnesium Calcium	ppm	ASTM D5185m		187		
		ppm	ASTM D5185m		1029		
	Phosphorus	ppm	ASTM D5185m		646		
	Zinc	ppm	ASTM D5185m		681		
	Sulfur	ppm ma KOU/a	ASTM D5185m		3542		
	Acid Number (AN)				0.603		
	Visc @ 40°C	cSt	ASTM D445		67.3		





Laboratory Sample No. Lab Number **Unique Number**

: DC0027584 : 06058722 : 10830104 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 11 Jan 2024 Diagnosed : 17 Jan 2024 : Jonathan Hester Diagnostician

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

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