

WEAR CONTAMINATION **FLUID CONDITION**

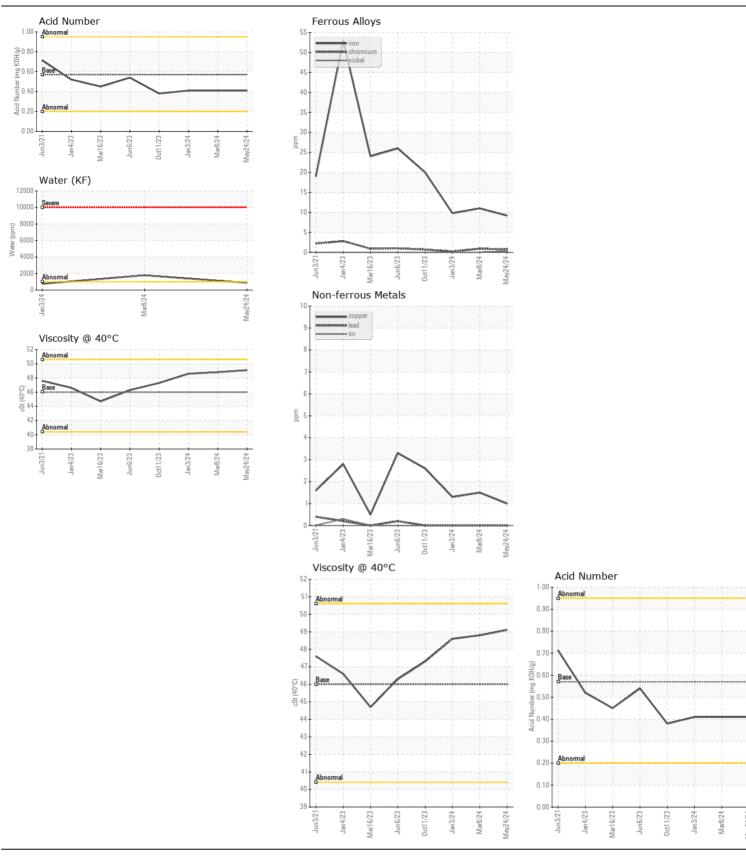
NORMAL ABNORMAL NORMAL



Machine Id 120556-1216 LIEBHERR LH50M 120556-1216

Hydraulic System

AW HYDRAULIC OIL ISO 46 (- GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
TILOUMNILITOR	Sample Number	COM	Client Info	Littleyton	DJJ0022472	DJJ0022507	DJJ0022516
We recommend you service the filters on this component. Resample at	Sample Date		Client Info		24 May 2024	08 Mar 2024	03 Jan 2024
the next service interval to monitor. We were unable to perform a	Machine Age	hrs	Client Info		9944	9578	9096
particle count due to a high concentration of particles present in this	Oil Age	hrs	Client Info		0	0	0
sample.	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		N/A	Not Changd	Not Changd
	Filter Changed		Client Info		N/A	Changed	Changed
	Sample Status				ABNORMAL	ATTENTION	ABNORMAL
WEAR	Iron	ppm	ASTM D5185m		9	11	10
All component week rates are narmal	Chromium	ppm	ASTM D5185m		<1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>10	<1	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	-	0	0	0
	Aluminum	ppm	ASTM D5185m		<1	0	0
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		1	2	1
	Tin	ppm	ASTM D5185m	>5	0	0	0
	Vanadium White Metal	ppm	*Visual	NONE	NONE	<1 NONE	0 NONE
	Yellow Metal	scalar scalar	*Visual	NONE	NONE	NONE	NONE
	Tellow Metal				INONE	INOINL	NONL
CONTAMINATION	Silicon	ppm	ASTM D5185m	>15	<1	<1	<1
	Potassium	ppm	ASTM D5185m	>20	3	0	0
Moderate concentration of visible dirt/debris present in the oil.	Water	%	ASTM D6304	>0.1	0.088	△ 0.178	0.076
	ppm Water	ppm	ASTM D6304	>1000	880	<u> </u>	760
	Particles >4µm		ASTM D7647	>20000		20969	
	Particles >6µm		ASTM D7647	>5000		3140	
	Particles >14µm		ASTM D7647	>640		91	
	Particles >21µm		ASTM D7647			18	
	Particles >38μm		ASTM D7647			0	
	Particles >71μm		ASTM D7647			0	
	Oil Cleanliness		ISO 4406 (c)	>21/19/16		22/19/14	
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	▲ MODER	LIGHT	▲ MODER
	Sand/Dirt Appearance	scalar scalar	*Visual *Visual	NONE NORML	NONE NORML	NONE NORML	NONE NORML
	Odor		*Visual	NORML	NORML	NORML	NORML
	Emulsified Water			>0.1	0.2%	0.2%	0.2%
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	3	<1
	Boron	ppm	ASTM D5185m	5	0	0	0
The AN level is acceptable for this fluid.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		0	0	<1
	Manganese	ppm	ASTM D5185m		<1	0	0
	Magnesium	ppm	ASTM D5185m	25	1	0	0
	Calcium	ppm	ASTM D5185m	200	55	34	27
	Phosphorus	ppm	ASTM D5185m	300	351	289	315
	Zinc	ppm	ASTM D5185m	370	445	337	400
	Sulfur	ppm	ASTM D5185m	2500	1051	890	826
	Acid Number (AN)	mg KOH/g		0.57	0.41	0.41	0.41
	Visc @ 40°C	cSt	ASTM D445	46	49.1	48.8	48.6







Certificate L2367

Laboratory

Sample No.

Lab Number : 06215753

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : DJJ0022472

Tested Unique Number: 11088617 Diagnosed Test Package : CONST (Additional Tests: KF)

Received : 20 Jun 2024 : 22 Jun 2024

: 22 Jun 2024 - Don Baldridge

RIVER METALS RECYCLING - DECATUR FACILITY 4301 IVERSON BLVD

TRINITY, AL US 35673

Contact: LARRY BARBER larry.barber@rmrecycling.com T:

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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