

WEAR
CONTAMINATION
FLUID CONDITION

NORMAL

ABNORMAL

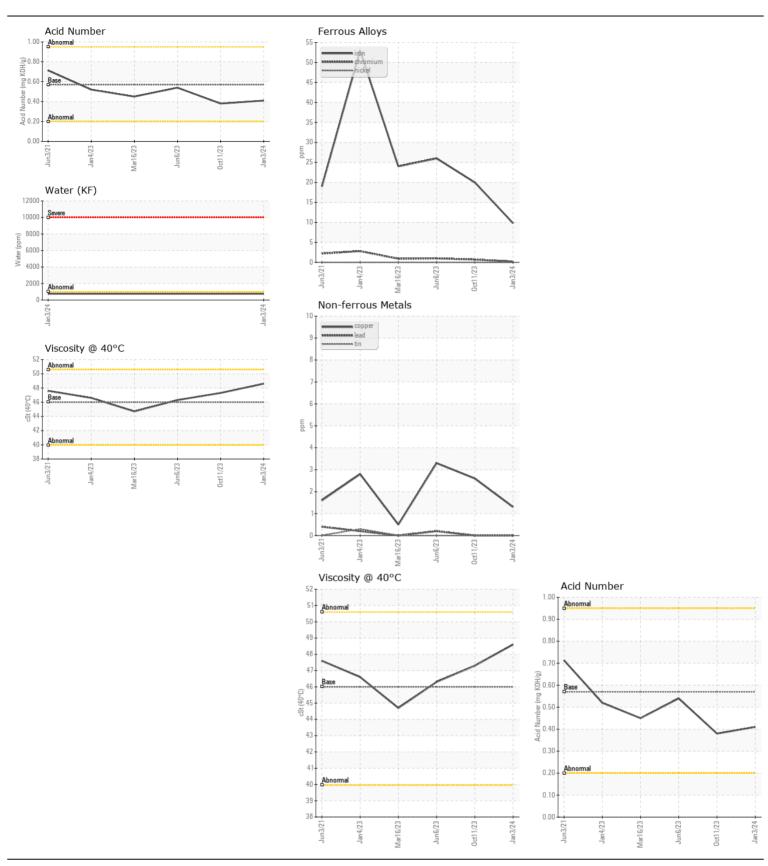
NORMAL



120556-1216 LIEBHERR LH50M 120556-1216

Component Hydraulic System

Hydraulic System AW HYDRAULIC OIL ISO 46 (- GAL)						
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
No corrective action is recommended at this time. The filter change at	Sample Number	00	Client Info		DJJ0022516	,	DJJ0019874
	Sample Date		Client Info		03 Jan 2024	11 Oct 2023	06 Jun 2023
the time of sampling has been noted. Resample at the next service	Machine Age	hrs	Client Info		9096	8542	7786
interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed		Client Info		Not Changd	Changed	N/A
	Filter Changed		Client Info		Changed	N/A	N/A
	Sample Status				ABNORMAL	ATTENTION	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>60	10	20	26
	Chromium	ppm	ASTM D5185m	>40	<1	<1	1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>10	0	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		0	<1	0
	Lead	ppm	ASTM D5185m		0	0	<1
	Copper	ppm	ASTM D5185m		1	3	3
	Tin	ppm		>5	0	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m		<1	12	<1
Madayata assautustian of visitala dist/dalayis ayasant is the cil	Potassium	ppm	ASTM D5185m	>20	0	2	<1
Moderate concentration of visible dirt/debris present in the oil.	Water	%	ASTM D6304		0.076		
	ppm Water	ppm	ASTM D6304		760		
	Particles >4µm		ASTM D7647			▲ 26675	5965
	Particles >6µm		ASTM D7647			▲ 6131	1824
	Particles >14µm		ASTM D7647			302	138
	Particles >21µm		ASTM D7647			84 11	30
	Particles >38μm Particles >71μm		ASTM D7647 ASTM D7647			1	1
	Oil Cleanliness			>21/19/16		▲ 22/20/15	20/18/14
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	▲ MODER	LIGHT	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
	Odor		*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.1	0.2%	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1	<1	0
	Boron	ppm	ASTM D5185m	5	0	0	0
The AN level is acceptable for this fluid.	Barium	ppm	ASTM D5185m		0	0	2
	Molybdenum	ppm	ASTM D5185m	5	<1	0	0
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		0	0	<1
	Calcium	ppm	ASTM D5185m	200	27	13	37
	Phosphorus	ppm	ASTM D5185m		315	295	337
	Zinc	ppm	ASTM D5185m	370	400	387	428
	Sulfur	ppm		2500	826	917	1088
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.41	0.38	0.54
	Visc @ 40°C	cSt	ASTM D445	40	48.6	47.3	46.3







Certificate L2367

Laboratory

Sample No. Lab Number **Unique Number**

: 06060982 : 10832364

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : DJJ0022516 Recieved : 16 Jan 2024 Diagnosed : 23 Jan 2024

Diagnostician : Doug Bogart Test Package : CONST (Additional Tests: KF)

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)

RIVER METALS RECYCLING - DECATUR FACILITY

4301 IVERSON BLVD

TRINITY, AL US 35673

Contact: LARRY BARBER larry.barber@rmrecycling.com

T:

F: