



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Machine Id
120556-1216 LIEBHERR LH50M 120556-1216
 Component
Transmission
 Fluid
{not provided} (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DJJ0022514	DJJ0022525	DJJ0019872
Sample Date		Client Info		03 Jan 2024	11 Oct 2023	06 Jun 2023
Machine Age	hrs	Client Info		9096	8542	7782
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changed	Changed	N/A
Filter Changed		Client Info		Not Changed	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>150	25	25	24
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	13	8	4
Lead	ppm	ASTM D5185m	>150	0	1	0
Copper	ppm	ASTM D5185m	>250	55	84	88
Tin	ppm	ASTM D5185m	>5	1	3	1
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

There is a moderate amount of visible silt present in the sample.

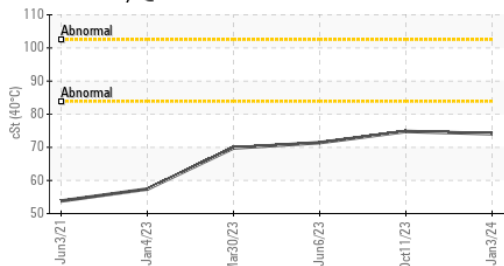
Silicon	ppm	ASTM D5185m	>15	15	11	8
Potassium	ppm	ASTM D5185m	>20	286	224	246
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	▲ MODER	▲ MODER	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

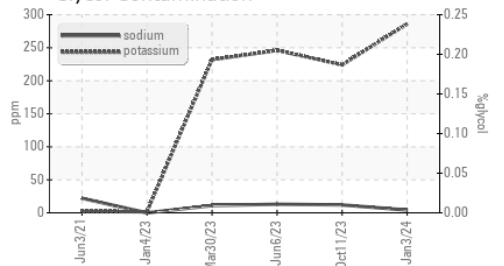
The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		4	12	13
Boron	ppm	ASTM D5185m		548	456	532
Barium	ppm	ASTM D5185m		0	<1	<1
Molybdenum	ppm	ASTM D5185m		773	545	633
Manganese	ppm	ASTM D5185m		18	23	24
Magnesium	ppm	ASTM D5185m		70	52	60
Calcium	ppm	ASTM D5185m		826	936	1145
Phosphorus	ppm	ASTM D5185m		378	500	420
Zinc	ppm	ASTM D5185m		160	285	331
Sulfur	ppm	ASTM D5185m		7211	7961	9137
Visc @ 40°C	cSt	ASTM D445		74.1	74.8	71.4

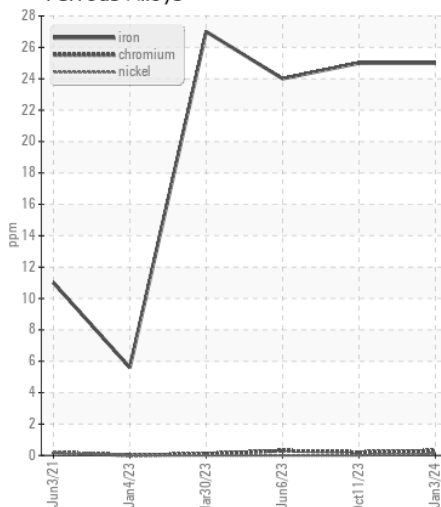
Viscosity @ 40°C



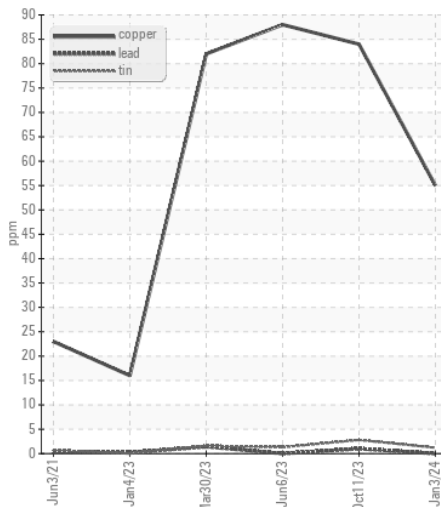
Glycol Contamination



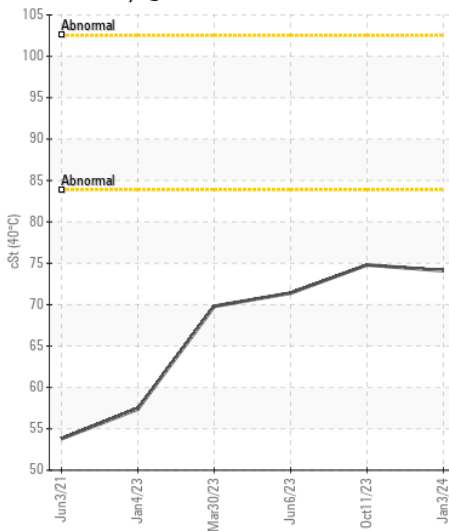
Ferrous Alloys



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DJJ0022514 **Received** : 16 Jan 2024
Lab Number : 06061582 **Diagnosed** : 17 Jan 2024
Unique Number : 10832964 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: Glycol)

RIVER METALS RECYCLING - DECATUR FACILITY
 4301 IVERSON BLVD
 TRINITY, AL
 US 35673
 Contact: RYAN BOWDEN

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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