



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	NORMAL



Area
RMR-Greensburg
Machine Id
14869 LIEBHERR A934 016294-935
Component
Splitter Box
Fluid
{not provided} (--- GAL)

RECOMMENDATION

We advise that you check for the source of water entry. We recommend that you drain the oil from the component if this has not already been done. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated. Bearing and/or bushing wear is indicated.

CONTAMINATION

There is a high concentration of water present in the oil.

FLUID CONDITION

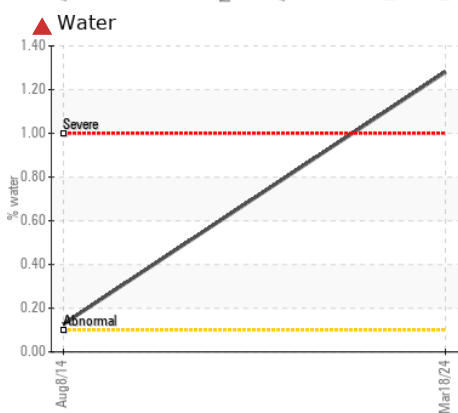
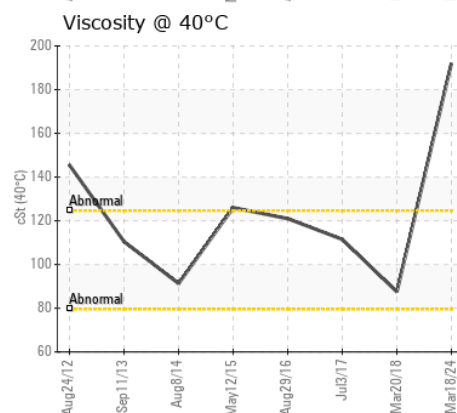
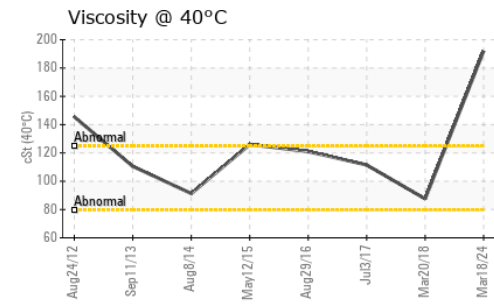
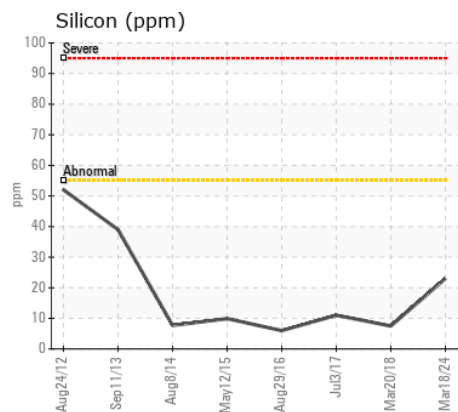
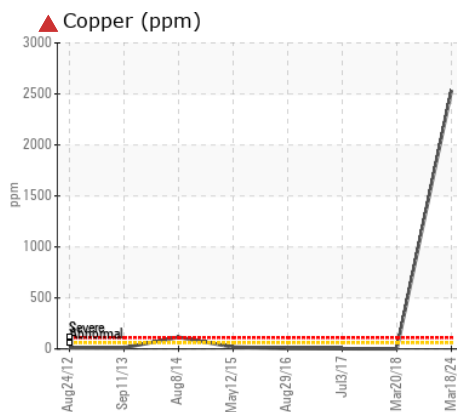
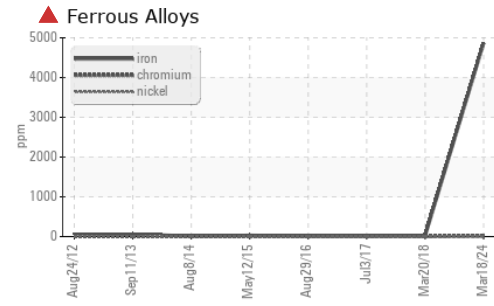
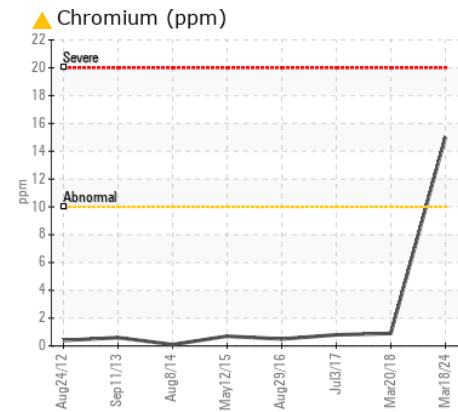
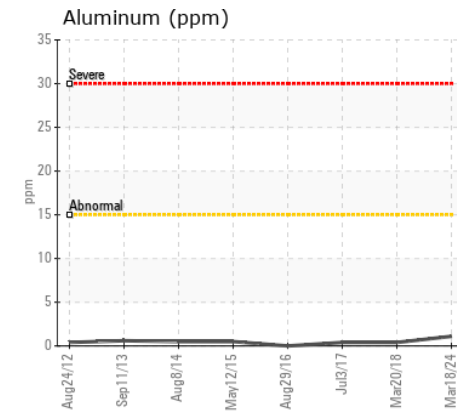
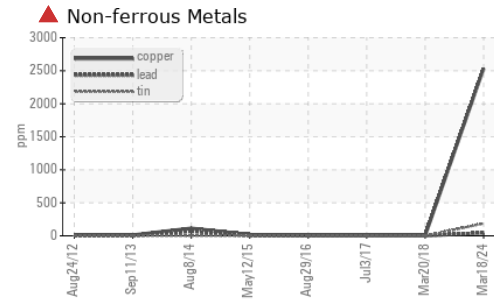
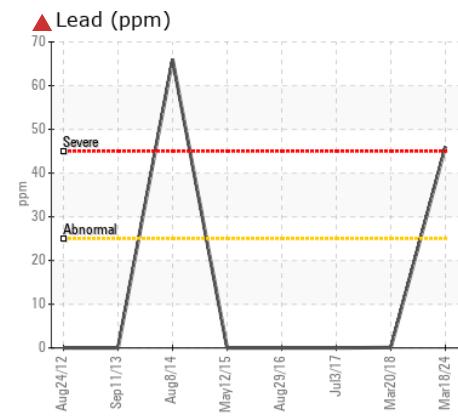
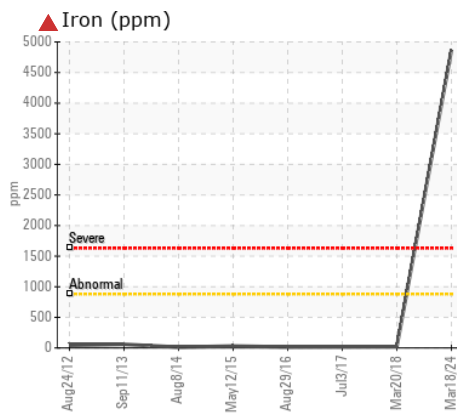
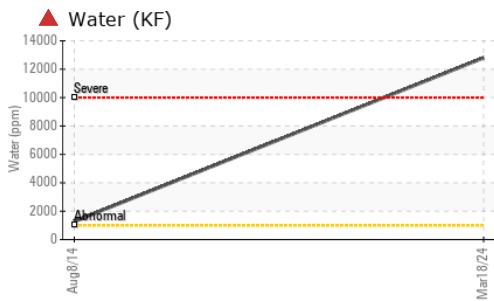
The oil is no longer serviceable as a result of the abnormal and/or severe wear.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		DJJ0017778	DJJ026188	DJJ024715
Sample Date		Client Info		18 Mar 2024	20 Mar 2018	03 Jul 2017
Machine Age	hrs	Client Info		18736	13380	12839
Oil Age	hrs	Client Info		0	250	250
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	ABNORMAL	NORMAL

Iron	ppm	ASTM D5185m	>880	▲ 4865	22	19
Chromium	ppm	ASTM D5185m	>10	▲ 15	<1	<1
Nickel	ppm	ASTM D5185m	>5	▲ 3	<1	0
Titanium	ppm	ASTM D5185m	>5	0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>15	1	<1	<1
Lead	ppm	ASTM D5185m	>25	▲ 46	<1	0
Copper	ppm	ASTM D5185m	>60	▲ 2534	1	2
Tin	ppm	ASTM D5185m	>5	▲ 187	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	MODER	NONE	NONE

Silicon	ppm	ASTM D5185m	>55	23	8	11
Potassium	ppm	ASTM D5185m	>20	0	3	0
Water	%	ASTM D6304	>0.1	▲ 1.28	---	---
ppm Water	ppm	ASTM D6304	>1000	▲ 12800	---	---
Silt	scalar	*Visual	NONE	MODER	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	▲ MODER	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	▲ 0.2%	NEG	NEG

Sodium	ppm	ASTM D5185m	>25	2	<1	<1
Boron	ppm	ASTM D5185m		11	4	5
Barium	ppm	ASTM D5185m		0	<1	2
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		26	<1	<1
Magnesium	ppm	ASTM D5185m		2	2	2
Calcium	ppm	ASTM D5185m		19	22	33
Phosphorus	ppm	ASTM D5185m		2581	460	1047
Zinc	ppm	ASTM D5185m		186	60	78
Sulfur	ppm	ASTM D5185m		40341	10641	10088
Visc @ 40°C	cSt	ASTM D445		192	● 87.52	111.5



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : DJJ0017778
Lab Number : 06125188
Unique Number : 10939339
Test Package : MOBCE (Additional Tests: KF)
Received : 21 Mar 2024
Tested : 25 Mar 2024
Diagnosed : 25 Mar 2024 - Sean Felton

RIVER METALS RECYCLING - GREENSBURG
 323 SOUTH MONFORT STREET
 GREENSBURG, IN
 US 47240
 Contact: RYAN BOWDEN

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)