



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[W9018]

Machine Id
RUBB MTS2410US 842T300

Component
Hydraulic System

Fluid
AW HYDRAULIC OIL ISO 46 (30 GAL)

RECOMMENDATION

No corrective action is recommended at this time. The filter change at the time of sampling has been noted. Resample at the next service interval to monitor. (Customer Sample Comment: W9018)

WEAR

All component wear rates are normal.

CONTAMINATION

There is a high amount of particulates present in the oil.

FLUID CONDITION

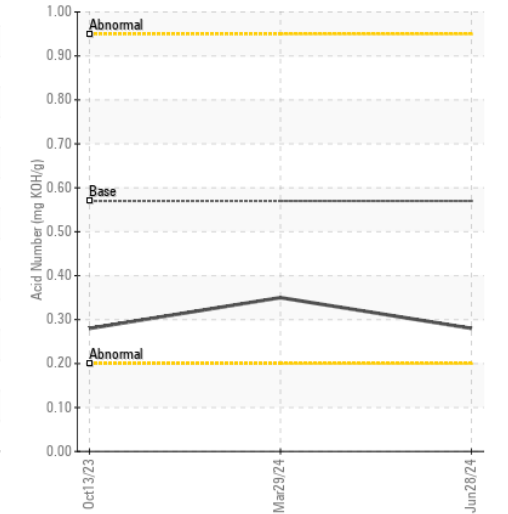
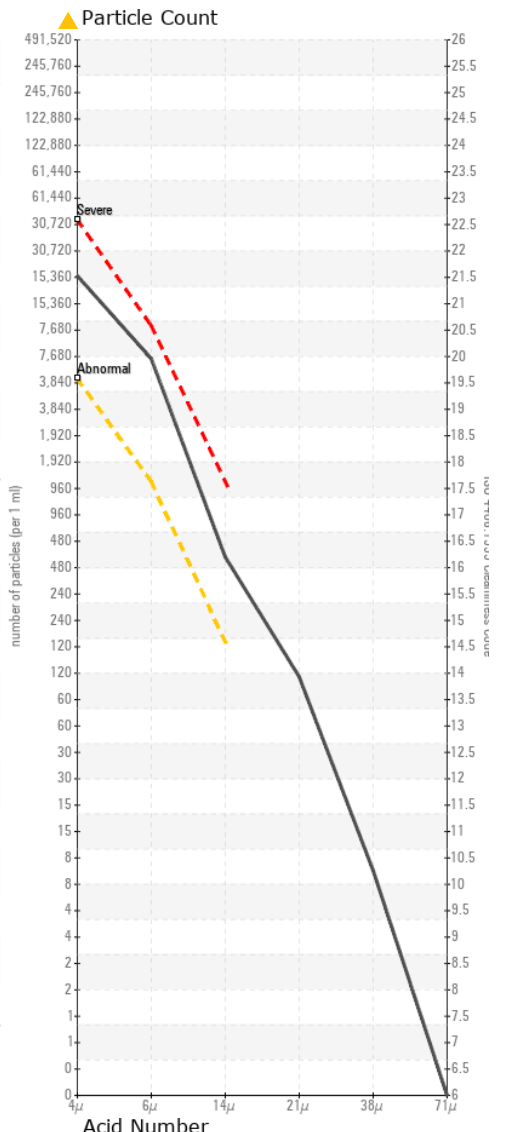
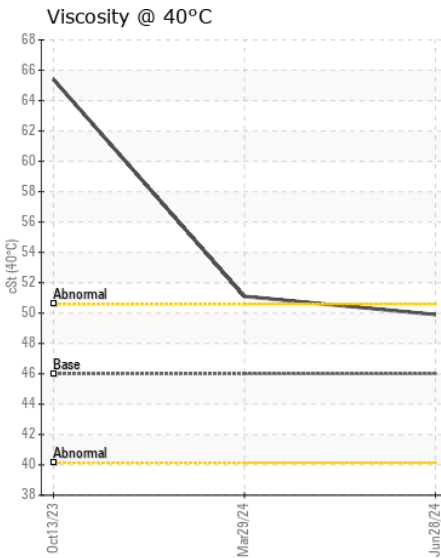
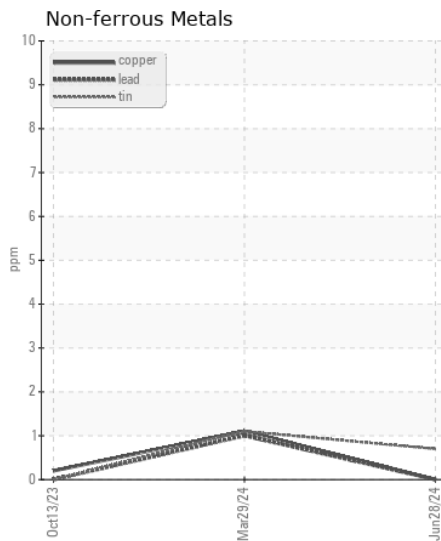
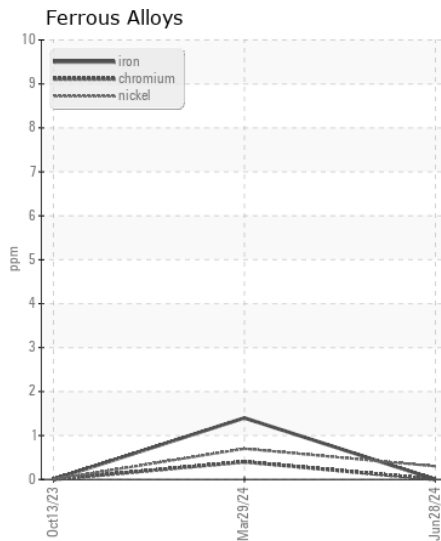
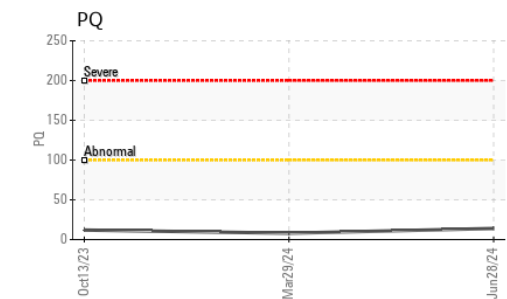
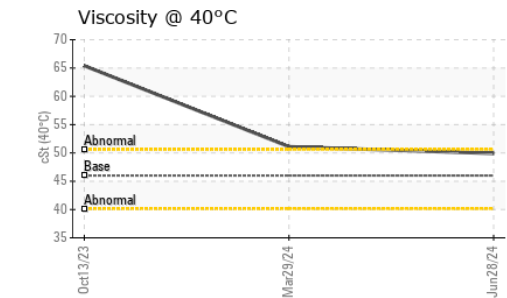
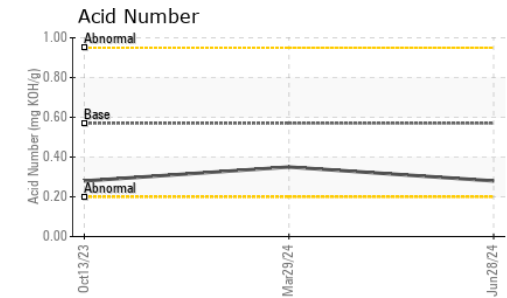
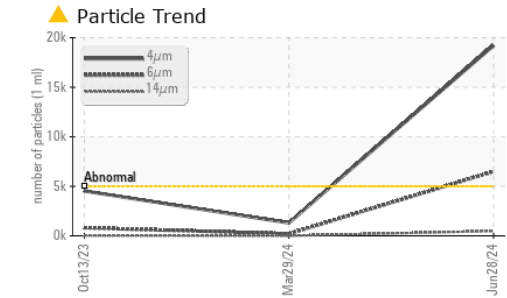
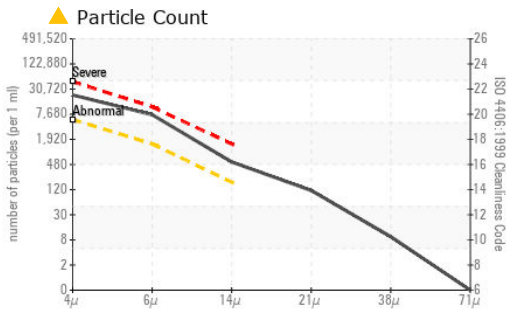
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0222563	JR0196502	JR0187721
Sample Date		Client Info		28 Jun 2024	29 Mar 2024	13 Oct 2023
Machine Age	hrs	Client Info		1614	1284	480
Oil Age	hrs	Client Info		1614	1284	0
Filter Age	hrs	Client Info		0	1284	0
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	ATTENTION

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		14	8	12
Iron	ppm	ASTM D5185m	>20	0	1	0
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>10	<1	2	0
Lead	ppm	ASTM D5185m	>10	0	1	0
Copper	ppm	ASTM D5185m	>75	0	1	<1
Tin	ppm	ASTM D5185m	>10	<1	1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m	>20	1	1	<1
Potassium	ppm	ASTM D5185m	>20	2	2	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>5000	▲ 19223	1305	4525
Particles >6µm		ASTM D7647	>1300	▲ 6496	203	809
Particles >14µm		ASTM D7647	>160	▲ 485	12	34
Particles >21µm		ASTM D7647	>40	▲ 101	3	7
Particles >38µm		ASTM D7647	>10	8	0	0
Particles >71µm		ASTM D7647	>3	0	0	0
Oil Cleanliness		ISO 4406 (c)	>19/17/14	▲ 21/20/16	18/15/11	19/17/12
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT	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

Sodium	ppm	ASTM D5185m		0	0	<1
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	0	0	0
Molybdenum	ppm	ASTM D5185m	5	0	1	0
Manganese	ppm	ASTM D5185m		<1	<1	0
Magnesium	ppm	ASTM D5185m	25	17	16	27
Calcium	ppm	ASTM D5185m	200	24	28	37
Phosphorus	ppm	ASTM D5185m	300	327	299	241
Zinc	ppm	ASTM D5185m	370	210	217	272
Sulfur	ppm	ASTM D5185m	2500	700	534	670
Acid Number (AN)	mg KOH/g	ASTM D8045	0.57	0.28	0.35	0.28
Visc @ 40°C	cSt	ASTM D445	46	49.9	51.1	65.4



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0222563 **Received** : 01 Jul 2024
Lab Number : 06224982 **Tested** : 02 Jul 2024
Unique Number : 11103179 **Diagnosed** : 03 Jul 2024 - Don Baldridge
Test Package : CONST (Additional Tests: PQ)

JRE - HOPE MILLS/FAYETTEVILLE
 5039 HWY 301 SOUTH
 HOPE MILLS, NC
 US 28348
 Contact: FAYETTEVILLE SHOP
 stephen.mullis@jamesriverequipment.com; panastasio@wearcheck.com

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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F: