



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
STONWAY CONCRETE RENTON
Machine Id
[STONWAY CONCRETE RENTON] 10-539
Component
Transmission (Auto)
Fluid
BP AUTRAN SYN 295 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PE0003290	PE0002274	PE0000455
Sample Date		Client Info		30 May 2024	26 Aug 2023	16 Jan 2023
Machine Age	mls	Client Info		46258	2819	1606
Oil Age	mls	Client Info		46258	2819	1606
Filter Age	mls	Client Info		0	2819	1606
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>50	22	20	10
Iron	ppm	ASTM D5185m	>160	63	67	60
Chromium	ppm	ASTM D5185m	>5	<1	0	<1
Nickel	ppm	ASTM D5185m	>5	0	1	1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	37	37	28
Lead	ppm	ASTM D5185m	>50	76	85	42
Copper	ppm	ASTM D5185m	>225	20	14	10
Tin	ppm	ASTM D5185m	>10	5	6	5
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	▲ MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

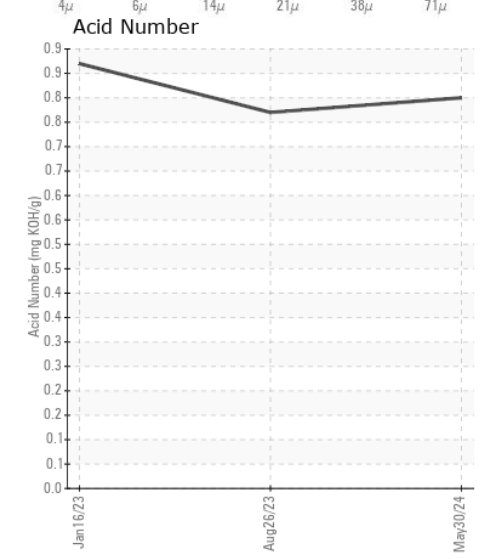
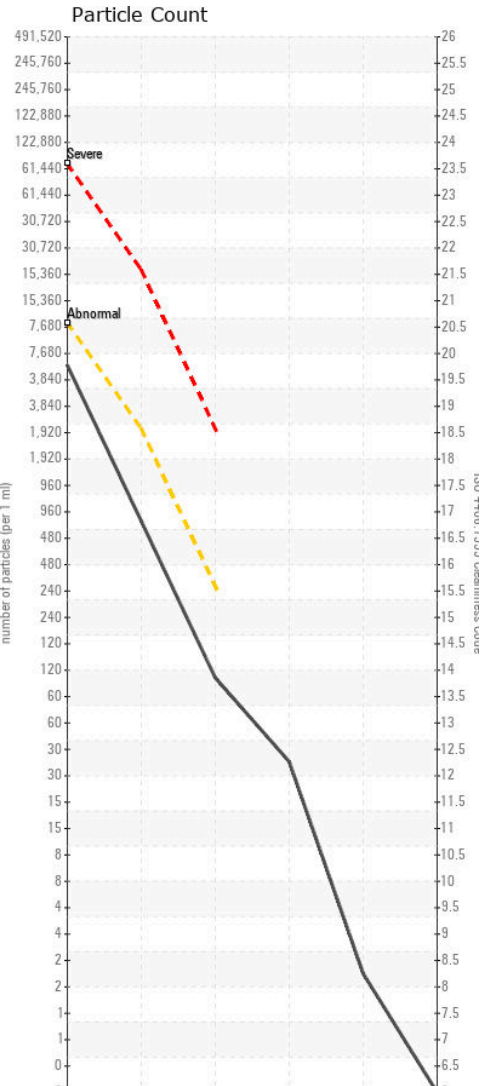
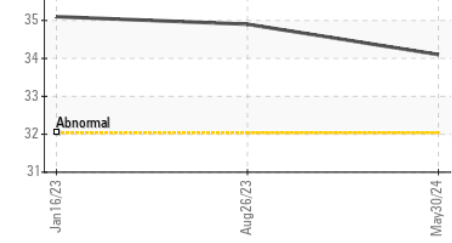
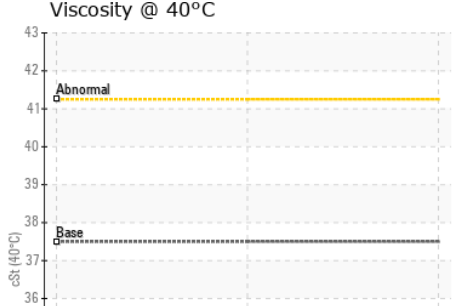
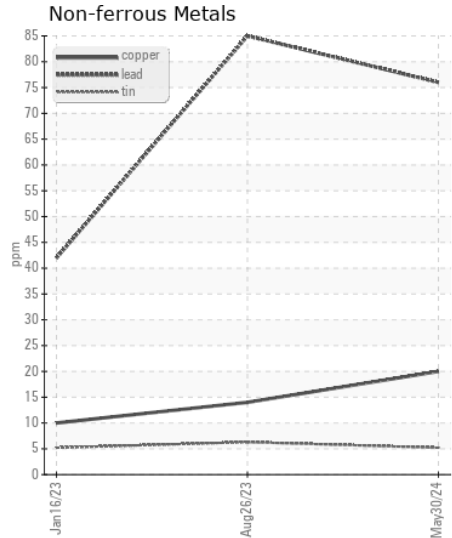
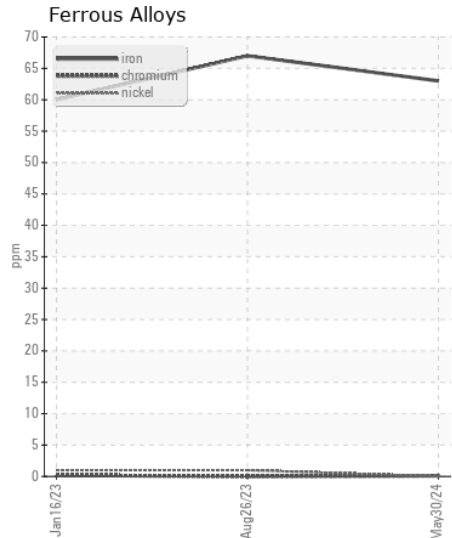
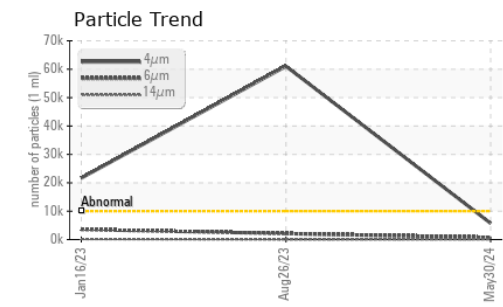
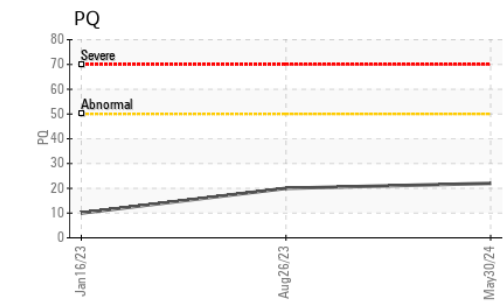
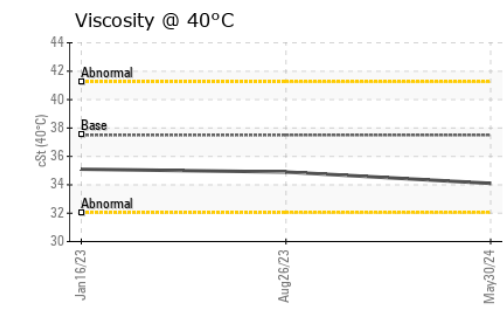
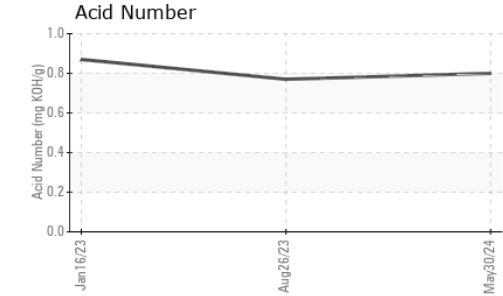
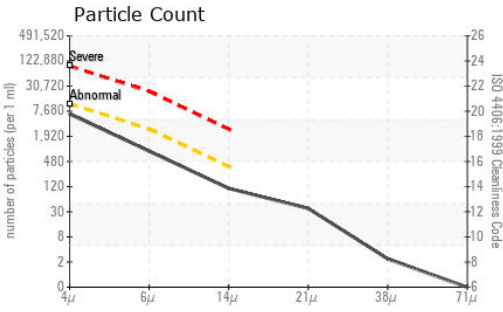
There is no indication of any contamination in the fluid. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>20	6	5	4
Potassium	ppm	ASTM D5185m	>20	2	3	2
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	5733	▲ 61043	▲ 21663
Particles >6µm		ASTM D7647	>2500	745	2106	● 3552
Particles >14µm		ASTM D7647	>320	96	38	174
Particles >21µm		ASTM D7647	>80	32	4	32
Particles >38µm		ASTM D7647	>20	2	0	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	20/17/14	▲ 23/18/12	▲ 22/19/15
Silt	scalar	*Visual	NONE	NONE	NONE	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 AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

Sodium	ppm	ASTM D5185m		7	6	4
Boron	ppm	ASTM D5185m		15	30	49
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		<1	0	<1
Manganese	ppm	ASTM D5185m		1	2	1
Magnesium	ppm	ASTM D5185m		0	1	1
Calcium	ppm	ASTM D5185m		85	74	58
Phosphorus	ppm	ASTM D5185m		208	244	232
Zinc	ppm	ASTM D5185m		5	6	9
Sulfur	ppm	ASTM D5185m		1363	1295	1032
Acid Number (AN)	mg KOH/g	ASTM D8045		0.80	0.77	0.87
Visc @ 40°C	cSt	ASTM D445	37.5	34.1	34.9	35.1



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PE0003290 **Received** : 25 Jun 2024
Lab Number : 06220344 **Tested** : 26 Jun 2024
Unique Number : 11098541 **Diagnosed** : 27 Jun 2024 - Doug Bogart
Test Package : CONST (Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN)

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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)