



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area
Stoneway Concrete Renton
 Machine Id
[Stoneway Concrete Renton] 10-535
 Component
Transmission (Auto)
 Fluid
BP AUTRAN SYN 295 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PE0002059	PE0002284	PE0000337
Sample Date		Client Info		17 Jun 2024	31 Aug 2023	23 Dec 2022
Machine Age	mls	Client Info		45433	2628	1396
Oil Age	mls	Client Info		45433	2628	1396
Filter Age	mls	Client Info		0	2628	1396
Oil Changed		Client Info		N/A	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				ABNORMAL	NORMAL	ABNORMAL

WEAR

The copper level is abnormal. All other component wear rates are normal.

PQ		ASTM D8184	>50	23	19	16
Iron	ppm	ASTM D5185m	>160	70	61	53
Chromium	ppm	ASTM D5185m	>5	0	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	1	1
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	0
Aluminum	ppm	ASTM D5185m	>50	41	28	18
Lead	ppm	ASTM D5185m	>50	▲ 105	65	36
Copper	ppm	ASTM D5185m	>225	25	19	12
Tin	ppm	ASTM D5185m	>10	4	4	3
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

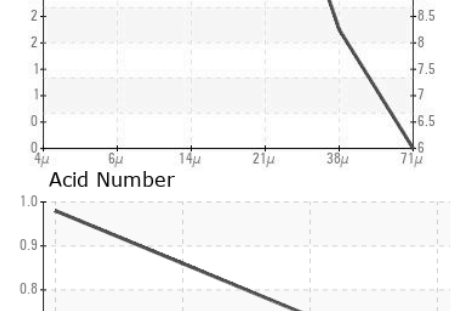
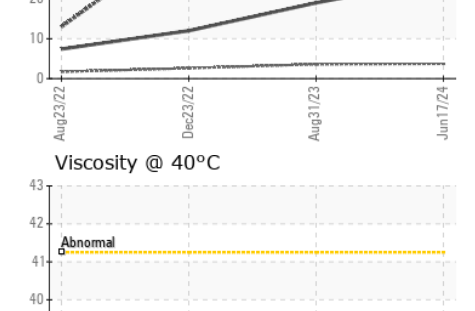
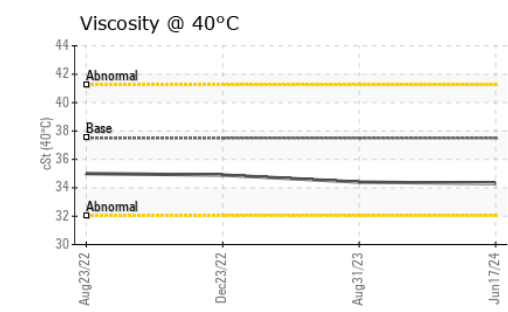
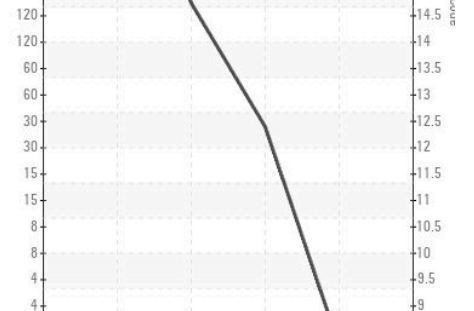
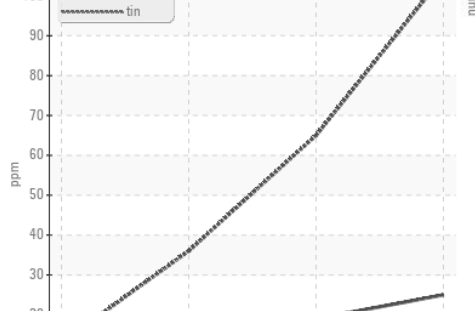
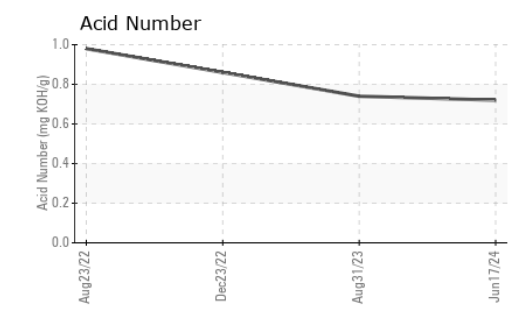
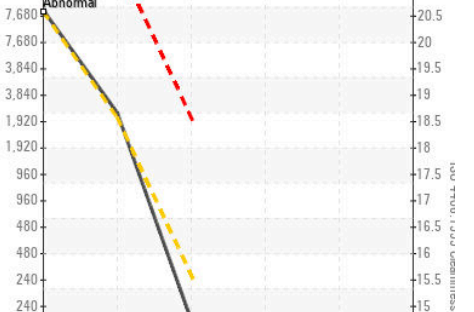
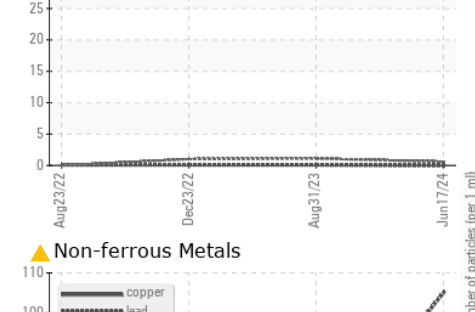
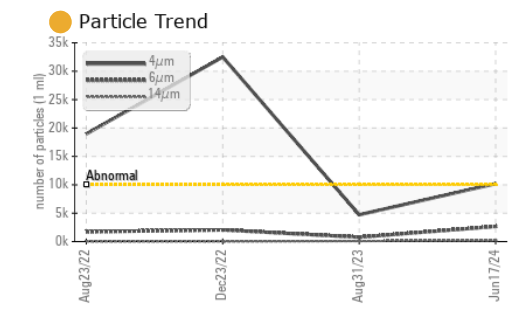
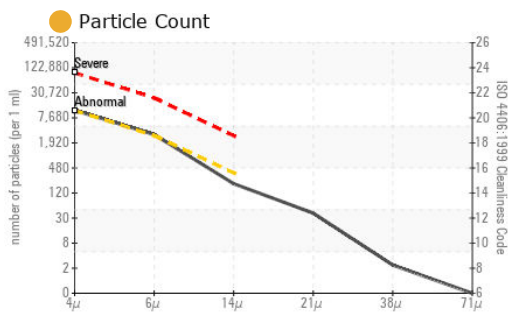
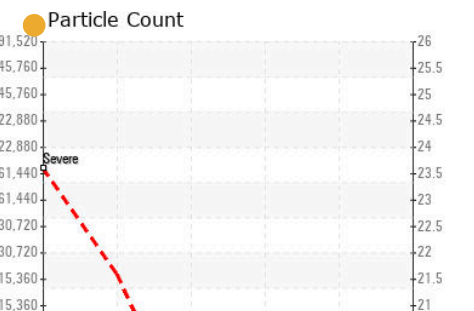
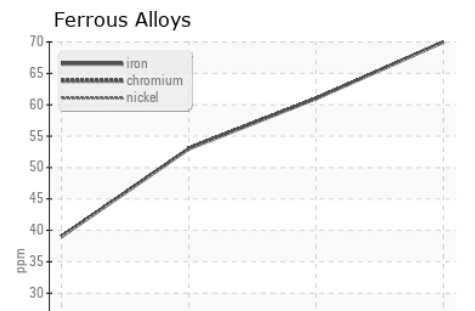
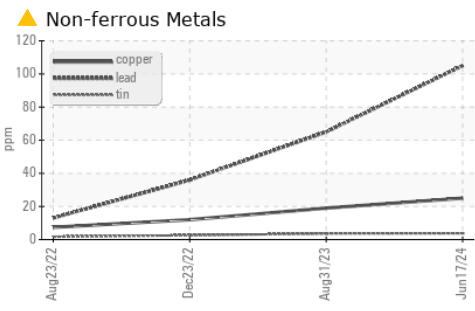
There is a moderate amount of silt (particulates < 14 microns in size) present in the fluid.

Silicon	ppm	ASTM D5185m	>20	8	5	3
Potassium	ppm	ASTM D5185m	>20	2	2	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	● 10197	4720	▲ 32497
Particles >6µm		ASTM D7647	>2500	● 2665	770	2055
Particles >14µm		ASTM D7647	>320	177	86	27
Particles >21µm		ASTM D7647	>80	35	28	5
Particles >38µm		ASTM D7647	>20	2	4	0
Particles >71µm		ASTM D7647	>4	0	1	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	● 21/19/15	19/17/14	▲ 22/18/12
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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 acceptable for the time in service.

Sodium	ppm	ASTM D5185m		7	8	3
Boron	ppm	ASTM D5185m		13	12	23
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		2	2	1
Magnesium	ppm	ASTM D5185m		1	1	1
Calcium	ppm	ASTM D5185m		120	75	64
Phosphorus	ppm	ASTM D5185m		207	204	208
Zinc	ppm	ASTM D5185m		26	2	9
Sulfur	ppm	ASTM D5185m		1414	1413	1161
Acid Number (AN)	mg KOH/g	ASTM D8045		0.72	0.74	0.86
Visc @ 40°C	cSt	ASTM D445	37.5	34.3	34.4	34.9



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PE0002059 **Received** : 26 Jun 2024
Lab Number : 06221074 **Tested** : 27 Jun 2024
Unique Number : 11099271 **Diagnosed** : 27 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN)
 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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