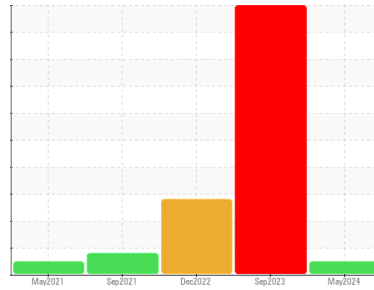




# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area

**Stoneway Concrete Renton**

Machine Id

**[Stoneway Concrete Renton] 10-534**

Component

**Transmission (Auto)**

Fluid

**BP AUTRAN SYN 295 (--- GAL)**

## DIAGNOSIS

### Recommendation

Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

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

### Fluid Condition

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

## SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>PE0003285</b>	PE0002287	PE0000333
Sample Date	Client Info		<b>30 May 2024</b>	20 Sep 2023	21 Dec 2022
Machine Age	mls	Client Info	<b>64965</b>	4562	3182
Oil Age	mls	Client Info	<b>64965</b>	4562	3182
Oil Changed	Client Info		<b>N/A</b>	Not Changd	Not Changd
Sample Status			<b>NORMAL</b>	SEVERE	ABNORMAL

## CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	<b>NEG</b>	NEG	NEG

## WEAR METALS

	method	limit/base	current	history1	history2	
PQ	ASTM D8184	>50	<b>26</b>	21	16	
Iron	ppm	ASTM D5185m	>160	<b>37</b>	92	64
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m	>5	<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>0</b>	<1	0
Silver	ppm	ASTM D5185m	>5	<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>50	<b>13</b>	▲ 234	20
Lead	ppm	ASTM D5185m	>50	<b>33</b>	▲ 76	▲ 98
Copper	ppm	ASTM D5185m	>225	<b>13</b>	30	14
Tin	ppm	ASTM D5185m	>10	<b>1</b>	4	2
Antimony	ppm	ASTM D5185m		<b>---</b>	---	---
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0

## ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		<b>14</b>	11	12
Barium	ppm	ASTM D5185m		<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m		<b>&lt;1</b>	<1	<1
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	2	1
Magnesium	ppm	ASTM D5185m		<b>0</b>	2	0
Calcium	ppm	ASTM D5185m		<b>107</b>	48	55
Phosphorus	ppm	ASTM D5185m		<b>191</b>	194	218
Zinc	ppm	ASTM D5185m		<b>10</b>	7	30
Sulfur	ppm	ASTM D5185m		<b>1542</b>	740	1160

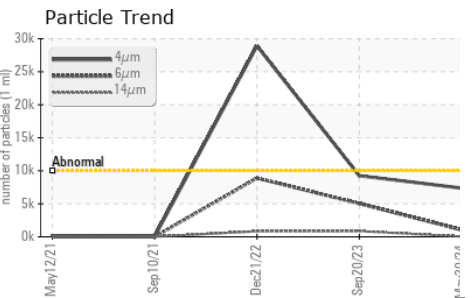
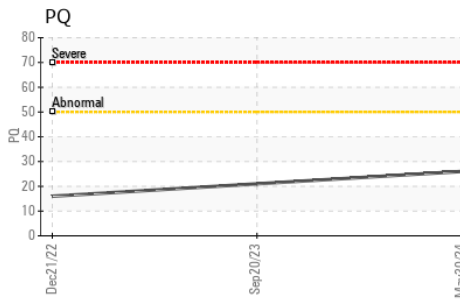
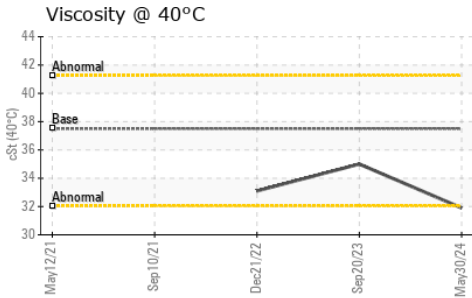
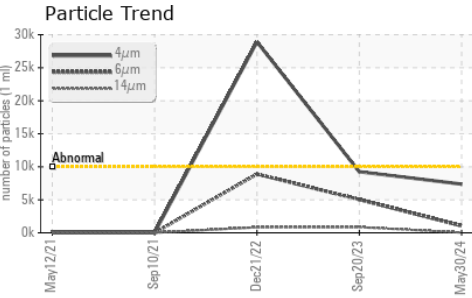
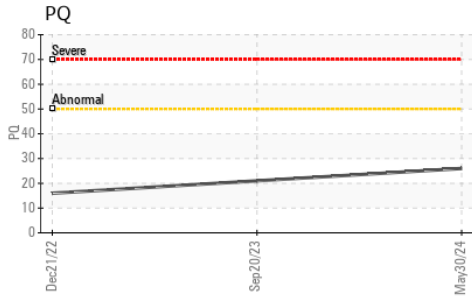
## CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>20	<b>3</b>	▲ 25	4
Sodium	ppm	ASTM D5185m		<b>4</b>	9	4
Potassium	ppm	ASTM D5185m	>20	<b>2</b>	3	0

## FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	<b>7372</b>	9248	▲ 28917
Particles >6µm	ASTM D7647	>2500	<b>1056</b>	▲ 5038	▲ 8896
Particles >14µm	ASTM D7647	>320	<b>36</b>	▲ 857	▲ 846
Particles >21µm	ASTM D7647	>80	<b>7</b>	▲ 289	▲ 187
Particles >38µm	ASTM D7647	>20	<b>0</b>	▲ 45	11
Particles >71µm	ASTM D7647	>4	<b>0</b>	▲ 5	0
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<b>20/17/12</b>	▲ 20/20/17	▲ 22/20/17

# OIL ANALYSIS REPORT

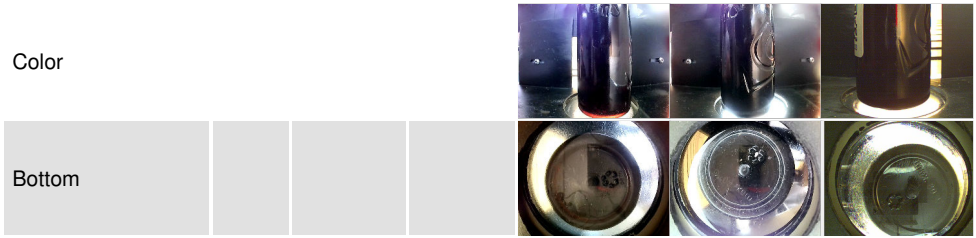


FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.98</b>	0.66	0.81

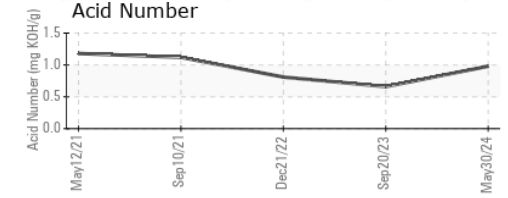
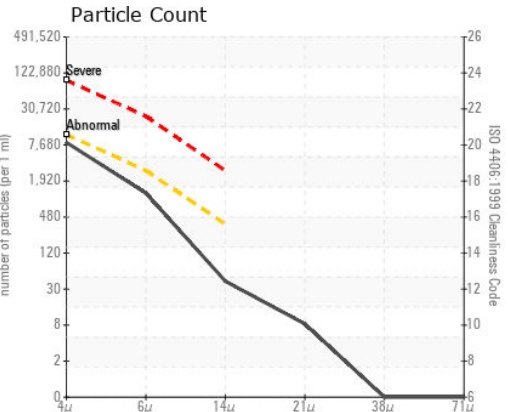
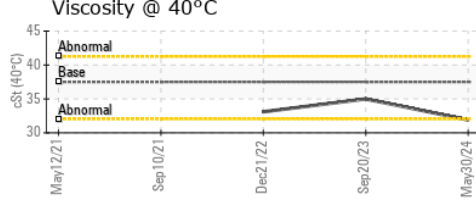
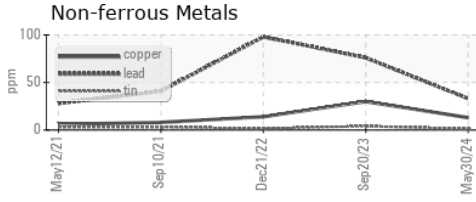
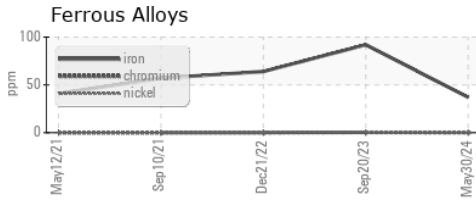
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	<b>31.9</b>	35.0	33.1

### SAMPLE IMAGES



### GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : PE0003285  
**Lab Number** : 06220343  
**Unique Number** : 11098540  
**Test Package** : CONST ( Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN )  
**Received** : 25 Jun 2024  
**Tested** : 26 Jun 2024  
**Diagnosed** : 27 Jun 2024 - Doug Bogart  
 To discuss this sample report, contact Customer Service at 1-800-237-1369.

**Gary Merlino Construction - Off Road Shop**  
 9125 10TH AVE SOUTH  
 SEATTLE, WA  
 US 98108  
 Contact: Tony Wytko  
 oilsamples@gmccinc.com

\* - 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)