



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Stoneway Concrete Renton
 Machine Id
[Stoneway Concrete Renton] 10-526
 Component
Transmission (Auto)
 Fluid
BP AUTRAN SYN 295 (--- GAL)

RECOMMENDATION

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		PE0002066	PE0001306	PE12230654
Sample Date		Client Info		22 Dec 2023	04 May 2023	20 Jun 2022
Machine Age	mls	Client Info		93052	82787	72790
Oil Age	mls	Client Info		93052	82787	72790
Filter Age	mls	Client Info		0	0	---
Oil Changed		Client Info		N/A	N/A	Not Changed
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ATTENTION	SEVERE

WEAR

All component wear rates are normal for time on oil.

PQ		ASTM D8184	>50	18	20	---
Iron	ppm	ASTM D5185m	>160	58	68	58
Chromium	ppm	ASTM D5185m	>5	<1	0	0
Nickel	ppm	ASTM D5185m	>5	6	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>5	0	0	<1
Aluminum	ppm	ASTM D5185m	>50	21	30	26
Lead	ppm	ASTM D5185m	>50	79	120	127
Copper	ppm	ASTM D5185m	>225	29	27	24
Tin	ppm	ASTM D5185m	>10	3	3	4
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

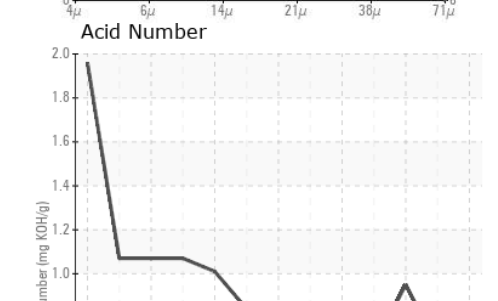
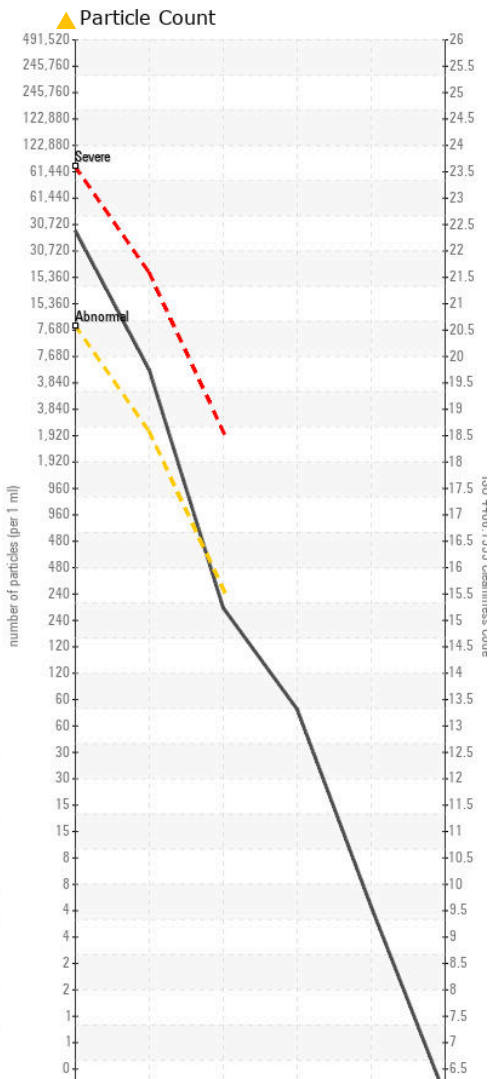
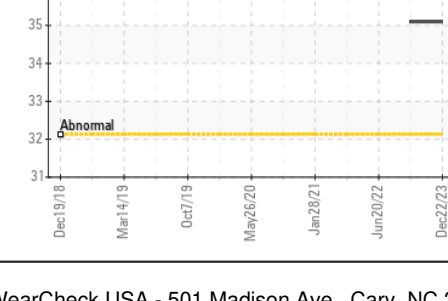
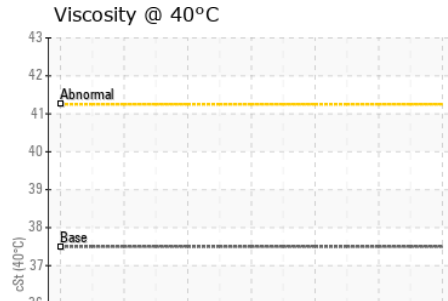
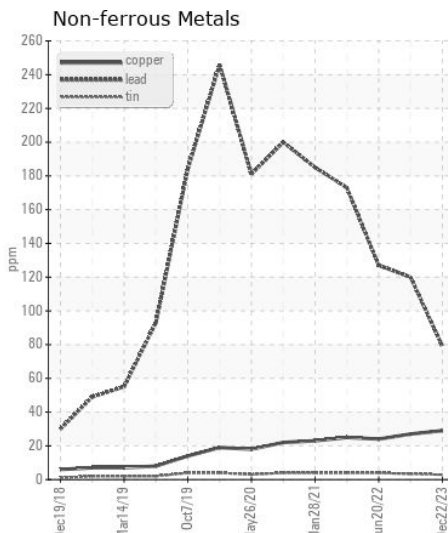
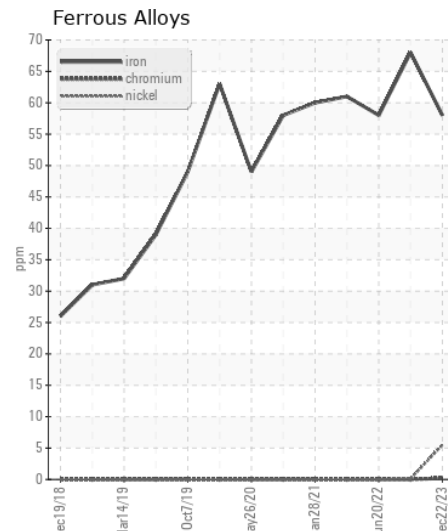
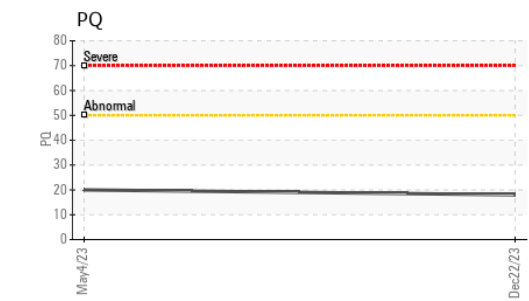
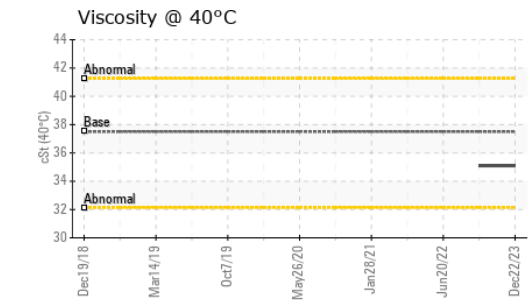
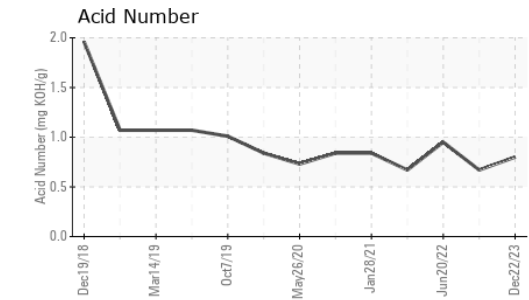
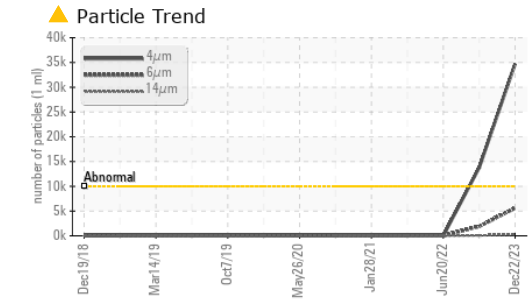
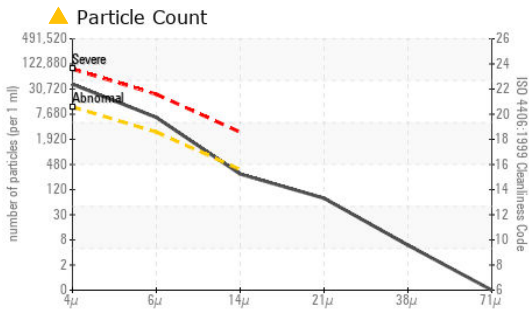
There is a high amount of silt (particulates < 14 microns in size) present in the fluid.

Silicon	ppm	ASTM D5185m	>20	6	5	4
Potassium	ppm	ASTM D5185m	>20	1	2	0
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647	>10000	▲ 34712	▲ 13766	22
Particles >6µm		ASTM D7647	>2500	▲ 5608	1906	19
Particles >14µm		ASTM D7647	>320	249	80	15
Particles >21µm		ASTM D7647	>80	66	18	---
Particles >38µm		ASTM D7647	>20	5	0	---
Particles >71µm		ASTM D7647	>4	0	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ 22/20/15	▲ 21/18/13	---
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	---

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		1	6	4
Boron	ppm	ASTM D5185m		29	11	26
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		<1	1	---
Magnesium	ppm	ASTM D5185m		<1	1	1
Calcium	ppm	ASTM D5185m		94	41	34
Phosphorus	ppm	ASTM D5185m		235	181	188
Zinc	ppm	ASTM D5185m		3	20	28
Sulfur	ppm	ASTM D5185m		1118	723	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.80	0.67	0.95
Visc @ 40°C	cSt	ASTM D445	37.5	35.1	35.1	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PE0002066 **Received** : 12 Jan 2024
Lab Number : 06060126 **Diagnosed** : 16 Jan 2024
Unique Number : 10831508 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: ICP, KV40, PQ, PrtCount, SCREEN)

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