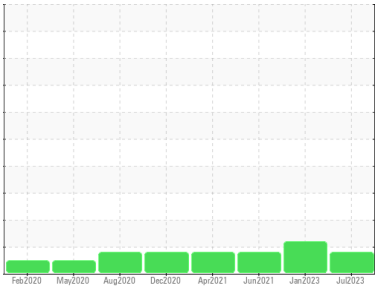
PROBLEM SUMMARY

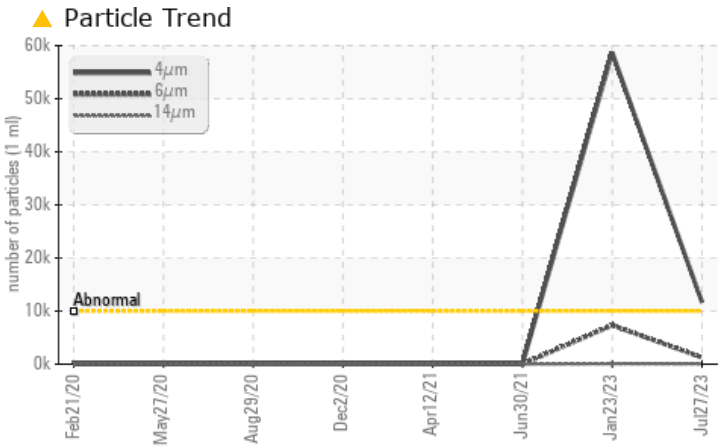
Sample Rating Trend



ISO

Area
Stoneway Concrete Renton
Machine Id
[Stoneway Concrete Renton] 10-528
Component
Transmission (Auto)
Fluid
BP AUTRAN SYN 295 (--- GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

Sample Status				ATTENTION	ABNORMAL	MARGINAL
Particles >4µm		ASTM D7647	>10000	▲ **11688**	▲ 58671	19
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ **21/17/13**	▲ 23/20/13	---

Customer Id: GARSEA
Sample No.: PE0001158
Lab Number: 05922793
Test Package: CONST

To manage this report scan the QR code

To discuss the diagnosis or test data:
Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

23 Jan 2023 Diag: Don Baldridge

ISO

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal for time on oil. There is a high amount of silt (particulates < 14 microns in size) present in the fluid. The AN level is acceptable for this fluid. The condition of the fluids additive package is suitable for further service.

view report

30 Jun 2021 Diag: Wes Davis

WEAR

We recommend an early resample to monitor this condition.Aluminum ppm levels are marginal. All other component wear rates are normal. There is no indication of any contamination in the fluid. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

view report

12 Apr 2021 Diag: Wes Davis

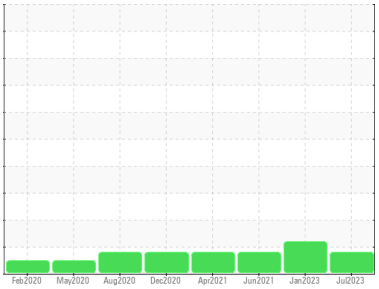
WEAR

We recommend an early resample to monitor this condition.Aluminum ppm levels are marginal. All other component wear rates are normal. There is no indication of any contamination in the fluid. The system and fluid cleanliness is acceptable. The AN level is acceptable for this fluid. The condition of the fluid is suitable for further service.

view report

OIL ANALYSIS REPORT

Sample Rating Trend



ISO

Area
Stoneway Concrete Renton
Machine Id
[Stoneway Concrete Renton] 10-528
Component
Transmission (Auto)
Fluid
BP AUTRAN SYN 295 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of silt (particulates < 6 microns in size) present in the fluid.

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		**PE0001158**	PE0000529	PE12292812
Sample Date		Client Info		**27 Jul 2023**	23 Jan 2023	30 Jun 2021
Machine Age	hrs	Client Info		**6434**	5580	26496
Oil Age	hrs	Client Info		**6434**	5580	26496
Oil Changed		Client Info		**Not Changd**	Not Changd	Not Changd
Sample Status				**ATTENTION**	ABNORMAL	MARGINAL

WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184	>50	**18**	27	---
Iron	ppm	ASTM D5185m	>160	**31**	93	68
Chromium	ppm	ASTM D5185m	>5	**0**	0	0
Nickel	ppm	ASTM D5185m	>5	**0**	0	1
Titanium	ppm	ASTM D5185m		**0**	0	0
Silver	ppm	ASTM D5185m	>5	**0**	0	<1
Aluminum	ppm	ASTM D5185m	>50	**15**	40	▲ 28
Lead	ppm	ASTM D5185m	>50	**66**	250	219
Copper	ppm	ASTM D5185m	>225	**11**	18	17
Tin	ppm	ASTM D5185m	>10	**2**	5	4
Antimony	ppm	ASTM D5185m		**---**	---	0
Vanadium	ppm	ASTM D5185m		**<1**	0	0
Cadmium	ppm	ASTM D5185m		**0**	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		**43**	7	9
Barium	ppm	ASTM D5185m		**0**	0	0
Molybdenum	ppm	ASTM D5185m		**<1**	<1	0
Manganese	ppm	ASTM D5185m		**<1**	1	---
Magnesium	ppm	ASTM D5185m		**2**	<1	0
Calcium	ppm	ASTM D5185m		**98**	29	29
Phosphorus	ppm	ASTM D5185m		**197**	174	187
Zinc	ppm	ASTM D5185m		**15**	73	72
Sulfur	ppm	ASTM D5185m		**1486**	184	---

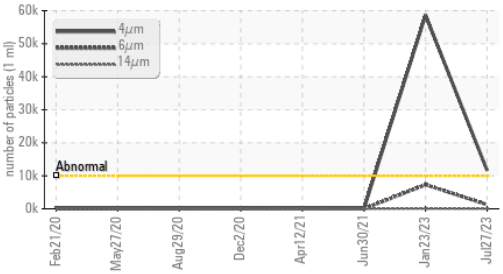
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>20	**3**	4	10
Sodium	ppm	ASTM D5185m		**4**	4	4
Potassium	ppm	ASTM D5185m	>20	**<1**	2	0

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	▲ **11688**	▲ 58671	19
Particles >6µm		ASTM D7647	>2500	**1251**	▲ 7310	17
Particles >14µm		ASTM D7647	>320	**53**	78	14
Particles >21µm		ASTM D7647	>80	**13**	6	---
Particles >38µm		ASTM D7647	>20	**0**	0	---
Particles >71µm		ASTM D7647	>4	**0**	0	---
Oil Cleanliness		ISO 4406 (c)	>20/18/15	▲ **21/17/13**	▲ 23/20/13	---

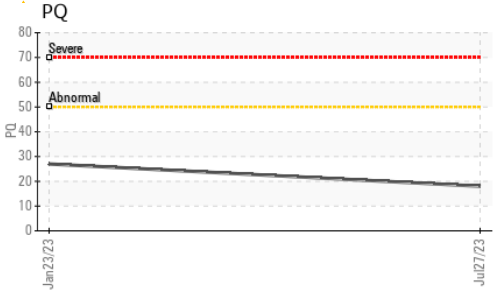
FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		**1.08**	0.57	0.79

OIL ANALYSIS REPORT

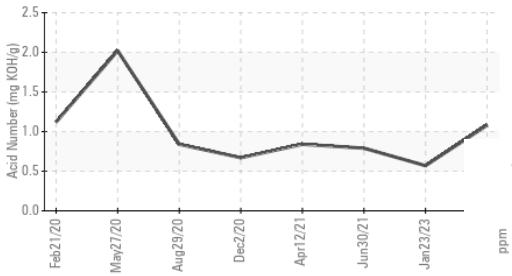
Particle Trend



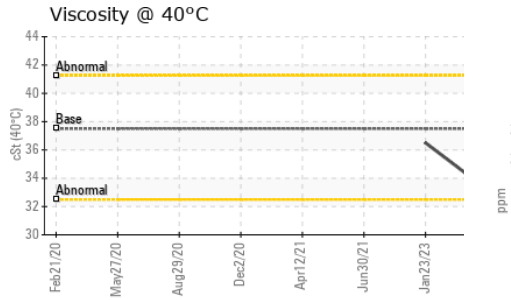
PQ



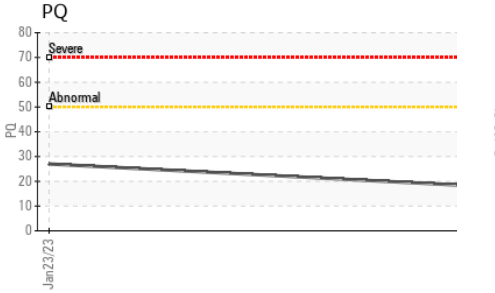
Acid Number



Viscosity @ 40°C

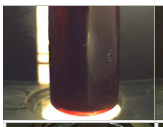
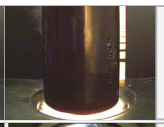


PQ



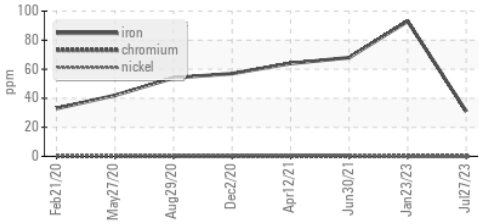
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Yellow Metal	scalar	*Visual	NONE	**NONE**	NONE	---
Precipitate	scalar	*Visual	NONE	**NONE**	NONE	---
Silt	scalar	*Visual	NONE	**NONE**	NONE	---
Debris	scalar	*Visual	NONE	**NONE**	NONE	---
Sand/Dirt	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	37.5	**33.2**	36.5	---

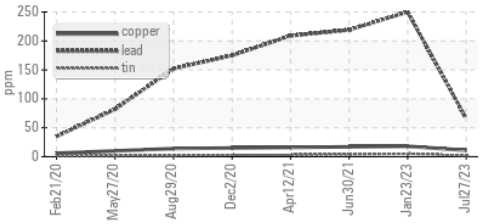
SAMPLE IMAGES	method	limit/base	current	history1	history2
Color					*no image*
Bottom					*no image*

GRAPHS

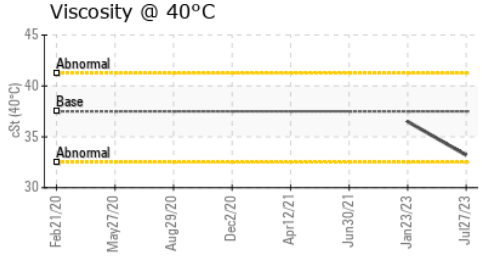
Ferrous Alloys



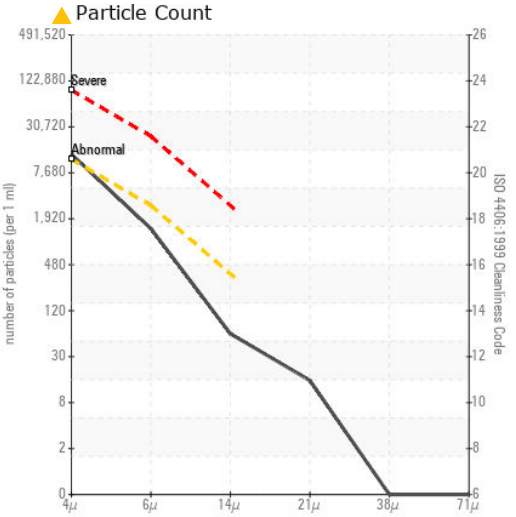
Non-ferrous Metals



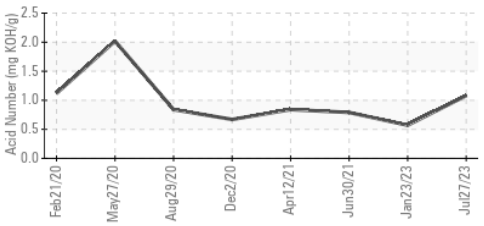
Viscosity @ 40°C



Particle Count



Acid Number



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PE0001158 **Received** : 11 Aug 2023
Lab Number : 05922793 **Diagnosed** : 14 Aug 2023
Unique Number : 10602740 **Diagnostician** : Doug Bogart
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)

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

Report Id: GARSEA [WUSCAR] 05922793 (Generated: 08/14/2023 22:43:45) Rev: 1

Submitted By: Stoneway Concrete - Renton - Tony