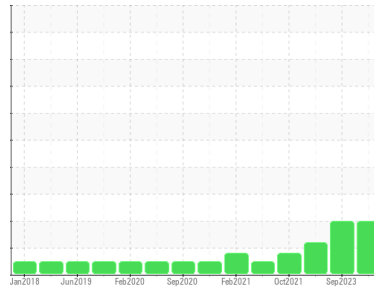




OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area

Stoneway Concrete Renton

Machine Id

[Stoneway Concrete Renton] 10-512

Component

Transmission (Auto)

Fluid

BP AUTRAN SYN 295 (--- GAL)

DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is a high amount of particulates 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		PE0003272	PE0002159	PE0001827
Sample Date	Client Info		17 Jun 2024	25 Sep 2023	08 Mar 2023
Machine Age	mls	Client Info	118031	104015	93207
Oil Age	mls	Client Info	118031	104015	93207
Oil Changed	Client Info		N/A	N/A	N/A
Sample Status			ABNORMAL	ABNORMAL	ABNORMAL

CONTAMINATION

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

WEAR METALS

	method	limit/base	current	history1	history2	
PQ	ASTM D8184	>50	28	30	17	
Iron	ppm	ASTM D5185m	>160	72	69	71
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	29	12	30
Lead	ppm	ASTM D5185m	>50	54	58	76
Copper	ppm	ASTM D5185m	>225	16	15	15
Tin	ppm	ASTM D5185m	>10	3	3	3
Antimony	ppm	ASTM D5185m	---	---	---	---
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0

ADDITIVES

	method	limit/base	current	history1	history2	
Boron	ppm	ASTM D5185m		12	17	16
Barium	ppm	ASTM D5185m		2	0	3
Molybdenum	ppm	ASTM D5185m		0	<1	<1
Manganese	ppm	ASTM D5185m		1	<1	1
Magnesium	ppm	ASTM D5185m		1	<1	4
Calcium	ppm	ASTM D5185m		68	52	37
Phosphorus	ppm	ASTM D5185m		227	235	205
Zinc	ppm	ASTM D5185m		27	29	34
Sulfur	ppm	ASTM D5185m		801	598	270

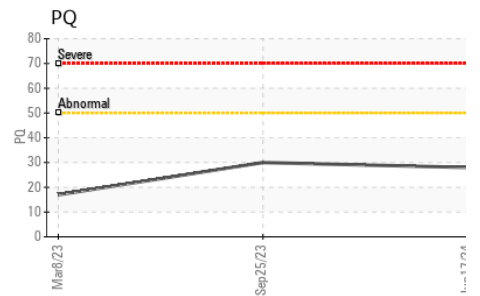
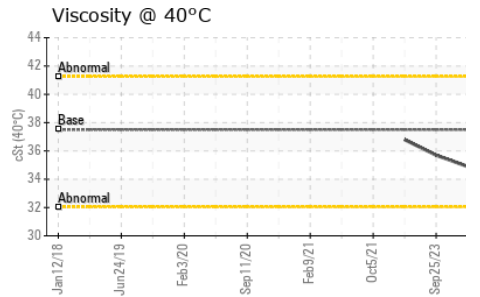
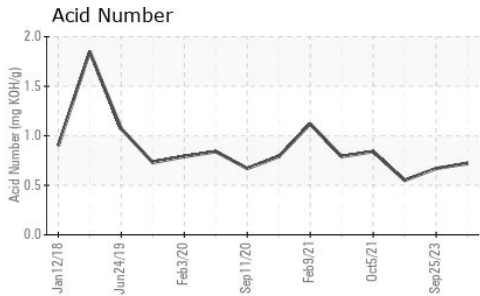
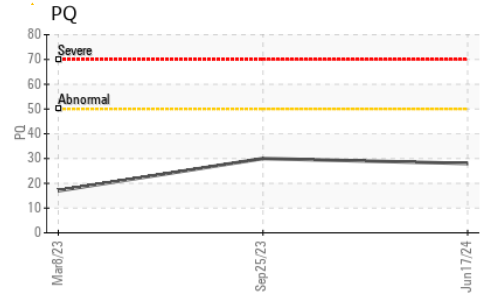
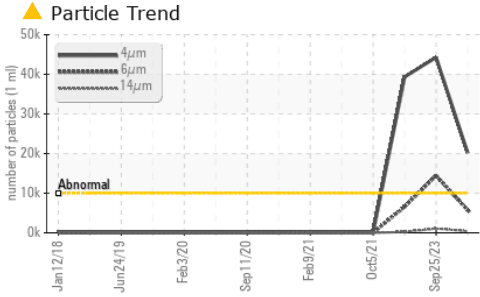
CONTAMINANTS

	method	limit/base	current	history1	history2	
Silicon	ppm	ASTM D5185m	>20	6	6	5
Sodium	ppm	ASTM D5185m		5	2	4
Potassium	ppm	ASTM D5185m	>20	3	2	2

FLUID CLEANLINESS

	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	▲ 20234	▲ 44285	▲ 39361
Particles >6µm	ASTM D7647	>2500	▲ 5743	▲ 14439	▲ 6572
Particles >14µm	ASTM D7647	>320	▲ 397	▲ 1074	212
Particles >21µm	ASTM D7647	>80	▲ 85	▲ 269	54
Particles >38µm	ASTM D7647	>20	3	11	2
Particles >71µm	ASTM D7647	>4	0	0	0
Oil Cleanliness	ISO 4406 (c)	>20/18/15	▲ 22/20/16	▲ 23/21/17	▲ 22/20/15

OIL ANALYSIS REPORT

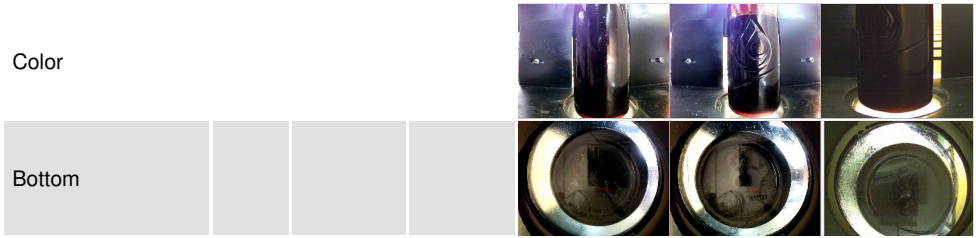


FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.72	0.67	0.55

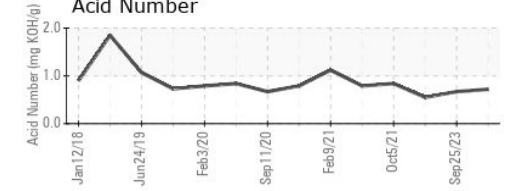
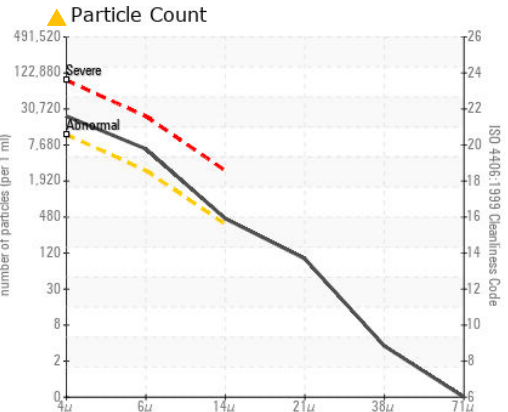
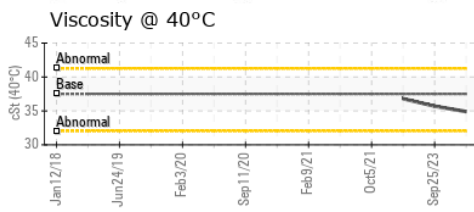
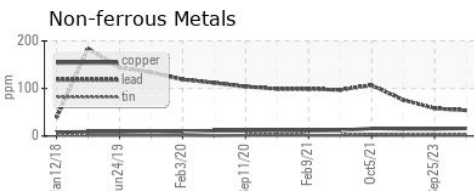
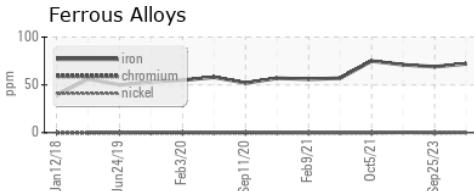
VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	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
Free Water	scalar	*Visual		NEG	NEG	NEG

FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	37.5	34.9	35.7	36.8

SAMPLE IMAGES



GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PE0003272 **Received** : 25 Jun 2024
Lab Number : **06220340** **Tested** : 26 Jun 2024
Unique Number : 11098537 **Diagnosed** : 27 Jun 2024 - Doug Bogart
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 Wytko
 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)