



OIL ANALYSIS REPORT

| | |
|-----------------|----------|
| WEAR | NORMAL |
| CONTAMINATION | ABNORMAL |
| FLUID CONDITION | NORMAL |

Area
Stoneway Concrete Renton
 Machine Id
[Stoneway Concrete Renton] 10-512
 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 | | 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 |
| Filter Age | mls | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | N/A | N/A | N/A |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | ABNORMAL | ABNORMAL | ABNORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|--------------|------|------|
| 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 |
| Vanadium | ppm | ASTM D5185m | | <1 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

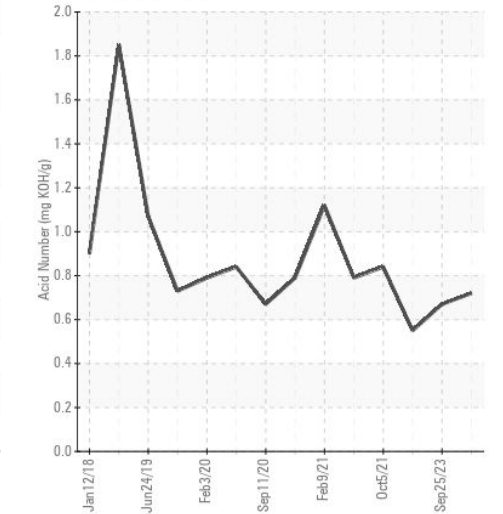
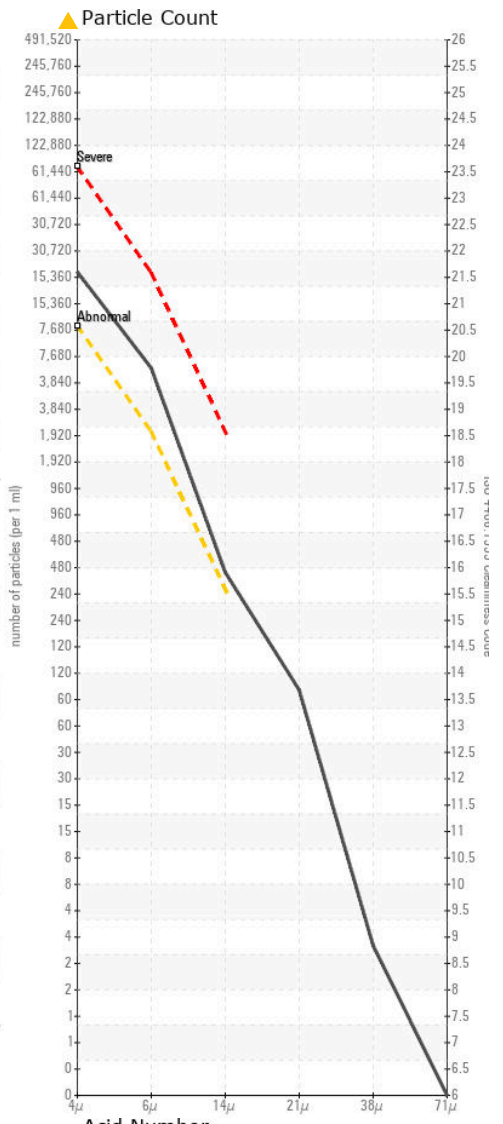
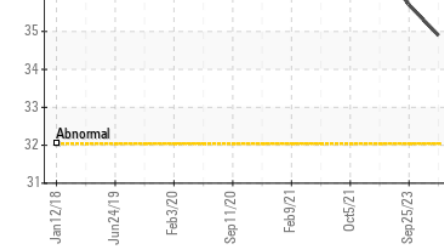
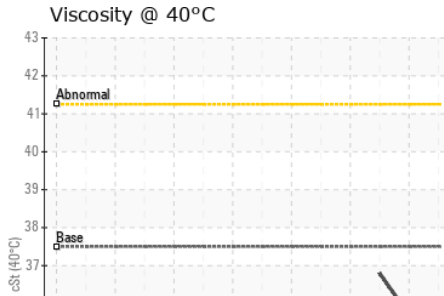
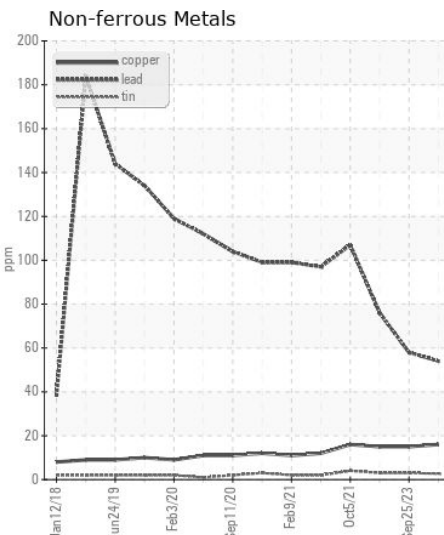
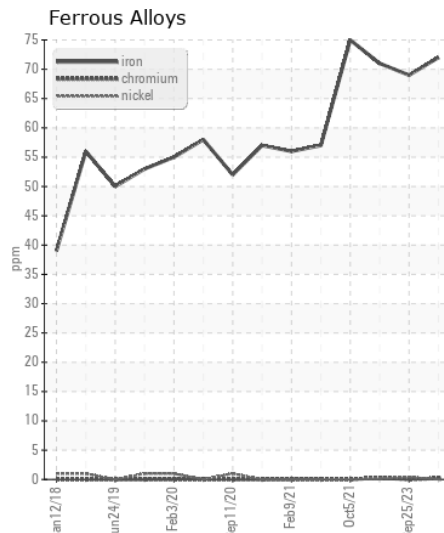
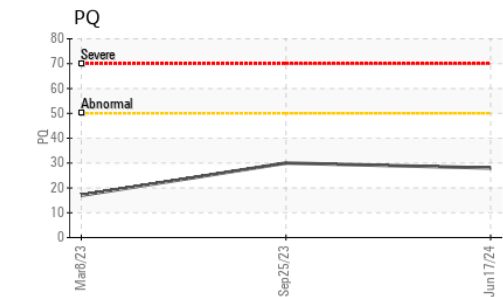
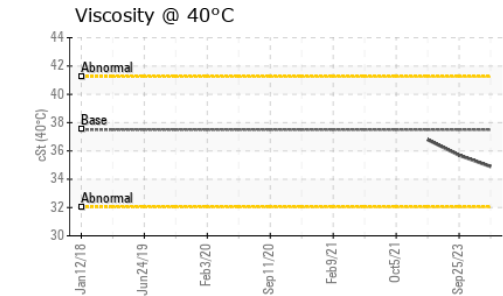
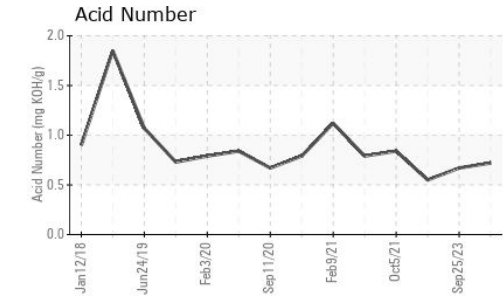
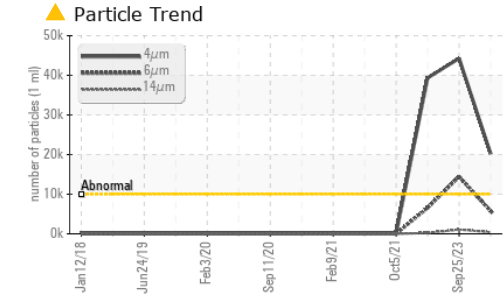
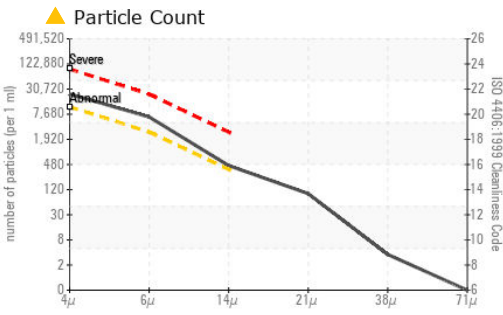
There is a high amount of particulates present in the fluid.

| | | | | | | |
|------------------|--------|--------------|-----------|-------------------|------------|------------|
| Silicon | ppm | ASTM D5185m | >20 | 6 | 6 | 5 |
| Potassium | ppm | ASTM D5185m | >20 | 3 | 2 | 2 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| 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 |
| 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 |

FLUID CONDITION

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

| | | | | | | |
|------------------|----------|-------------|------|-------------|------|------|
| Sodium | ppm | ASTM D5185m | | 5 | 2 | 4 |
| 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 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 0.72 | 0.67 | 0.55 |
| Visc @ 40°C | cSt | ASTM D445 | 37.5 | 34.9 | 35.7 | 36.8 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : PE0003272
Lab Number : 06220340
Unique Number : 11098537
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)

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