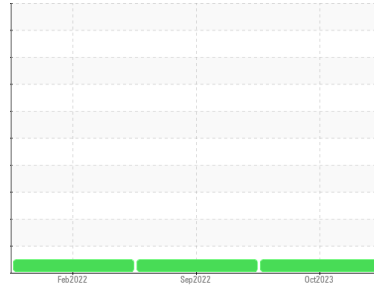




COOLANT REPORT

Sample Rating Trend

NORMAL



Area
KANSAS/88
 Machine Id
20.308L [KANSAS^88]

Component
Coolant
 Fluid
CAT EXTENDED LIFE COOLANT (ELC) (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The fluid is suitable for further service.

Corrosion

All metal levels are normal indicating no corrosion in the cooling system.

Contaminants

There is no indication of any contamination in the coolant.

Coolant Condition

Carboxylate test failed. Glycol and nitrite levels are acceptable. The pH level of this fluid is within the acceptable limits.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info | | WC0789783 | WC0712241 | WC0665245 |
| Sample Date | Client Info | | 09 Oct 2023 | 19 Sep 2022 | 18 Feb 2022 |
| Machine Age | hrs | Client Info | 7240 | 6659 | 6250 |
| Oil Age | hrs | Client Info | 7240 | 6659 | 0 |
| Oil Changed | Client Info | | Not Changed | Not Changed | Not Changed |
| Sample Status | | | NORMAL | NORMAL | NORMAL |

PHYSICAL TEST RESULTS

| | method | limit/base | current | history1 | history2 |
|------------------------|-------------|-------------|--------------|----------|----------|
| Specific Gravity | *ASTM D1298 | | 1.065 | 1.065 | --- |
| pH | Scale 0-14 | ASTM D1287 | 7.76 | 7.97 | 7.95 |
| Nitrites | ppm | AP-053:2009 | 676 | 676 | 488 |
| Reserve Alkalinity | Scale 0-20 | *ASTM D1121 | --- | --- | --- |
| Percentage Glycol | % | ASTM D3321 | 48.3 | 48.0 | 42 |
| Freezing Point | °F | ASTM D3321 | -31 | -31 | -19 |
| Total Dissolved Solids | | | 364.5 | 336.5 | 331.0 |
| Carboxylate | | | fail | pass | fail |

CORROSION INHIBITORS

| | method | limit/base | current | history1 | history2 | |
|------------|--------|------------|---------|------------|----------|-----|
| Silicon | ppm | ASTM D6130 | 0 | 23 | 89 | 99 |
| Phosphorus | ppm | ASTM D6130 | 0 | 157 | 254 | 674 |
| Boron | ppm | ASTM D6130 | 0 | 40 | 118 | 420 |
| Molybdenum | ppm | ASTM D6130 | 950 | 521 | 923 | 3 |

CORROSION

| | method | limit/base | current | history1 | history2 | |
|----------|--------|------------|---------|--------------|----------|----|
| Iron | ppm | ASTM D6130 | >15 | 0 | 0 | 2 |
| Aluminum | ppm | ASTM D6130 | >10 | <1 | 0 | <1 |
| Copper | ppm | ASTM D6130 | >10 | 0 | <1 | 2 |
| Lead | ppm | ASTM D6130 | >10 | 0 | 0 | 0 |
| Tin | ppm | ASTM D6130 | >10 | 0 | 0 | 0 |
| Zinc | ppm | ASTM D6130 | | 0 | 0 | 0 |

CONTAMINANTS

| | method | limit/base | current | history1 | history2 | |
|----------|--------|------------|---------|----------|----------|----|
| Chlorine | ppm | ASTM D6130 | | 3 | 13 | 38 |

CARRIER SALTS

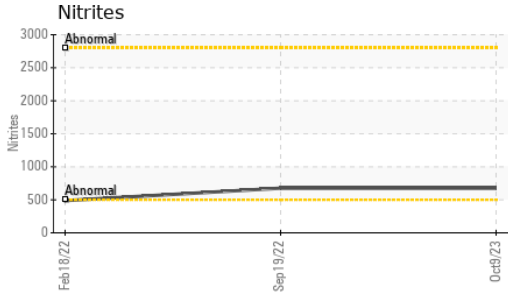
| | method | limit/base | current | history1 | history2 | |
|-----------|--------|------------|---------|-------------|----------|------|
| Sodium | ppm | ASTM D6130 | | 3205 | 2825 | 1015 |
| Potassium | ppm | ASTM D6130 | | 838 | 924 | 2093 |

SCALE POTENTIAL

| | method | limit/base | current | history1 | history2 | |
|-----------|--------|------------|---------|--------------|----------|----|
| Calcium | ppm | ASTM D6130 | | <1 | <1 | <1 |
| Magnesium | ppm | ASTM D6130 | | <1 | 1 | 1 |

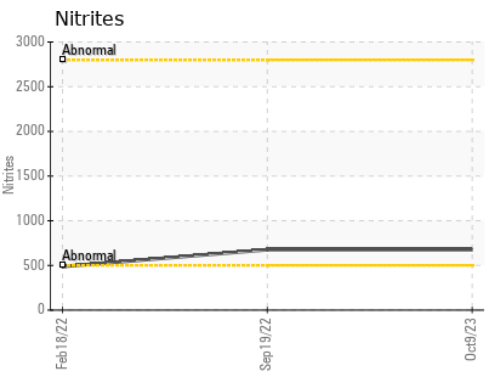
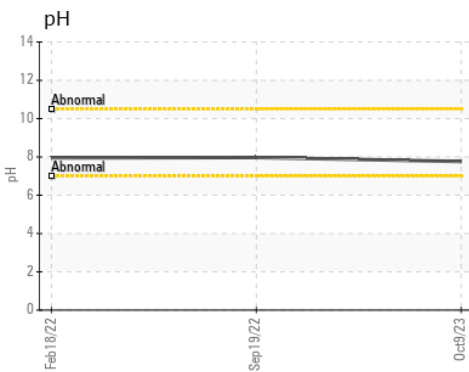
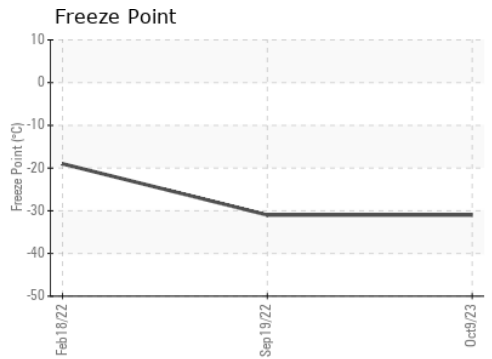
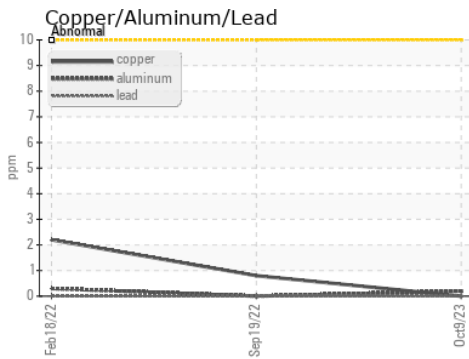
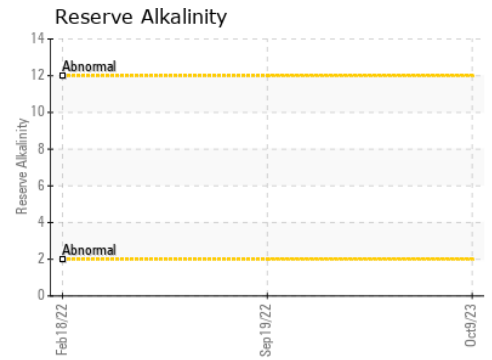
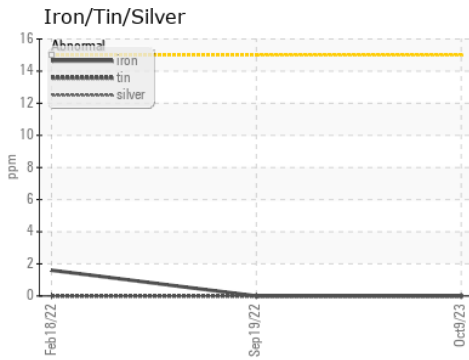


COOLANT REPORT



| VISUAL | method | limit/base | current | history1 | history2 |
|--------------------|---------|------------|---------|----------|----------|
| Coolant Color | *Visual | | Red | Red | Yellow |
| Coolant Appearance | *Visual | Clear | normal | normal | normal |
| Color | | | | | |
| Bottom | | | | | |

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : WC0789783 Received : 13 Oct 2023
 Lab Number : 05978584 Diagnosed : 18 Oct 2023
 Unique Number : 10695879 Diagnostician : Jonathan Hester
 Test Package : COOL- (Additional Tests: COOL, ICP)

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: BILL ORCUTT
 william.orcutt@wildcat.net

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)

T:
F: