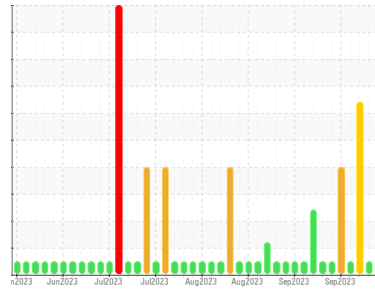




COOLANT REPORT

Sample Rating Trend



NORMAL



Area
WCLSNC
 Machine Id
QC COOL ELC NC 09012022

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. The glycol level is acceptable. The pH level of this fluid is within the acceptable limits.

SAMPLE INFORMATION

| method | limit/base | current | history1 | history2 |
|---------------|-------------|--------------------|-------------|-------------|
| Sample Number | Client Info | WC0855355 | WC0855352 | WC0855350 |
| Sample Date | Client Info | 25 Sep 2023 | 22 Sep 2023 | 20 Sep 2023 |
| Machine Age | hrs | Client Info | 0 | 0 |
| Oil Age | hrs | Client Info | 0 | 0 |
| Oil Changed | Client Info | N/A | N/A | N/A |
| Sample Status | | NORMAL | NORMAL | SEVERE |

PHYSICAL TEST RESULTS

| method | limit/base | current | history1 | history2 |
|------------------------|------------------------|--------------|----------|----------|
| Specific Gravity | *ASTM D1298 | 1.067 | 1.067 | 1.067 |
| pH | Scale 0-14 ASTM D1287 | 8.12 | 8.15 | 8.14 |
| Nitrites | ppm AP-053:2009 | 676 | 712 | ▲ 488 |
| Reserve Alkalinity | Scale 0-20 *ASTM D1121 | --- | --- | --- |
| Percentage Glycol | % ASTM D3321 | 49.7 | 49.7 | 49.8 |
| Freezing Point | °F ASTM D3321 | -33 | -33 | -33 |
| Total Dissolved Solids | | 351.5 | 248.5 | 340.0 |
| Carboxylate | | fail | fail | fail |

CORROSION INHIBITORS

| method | limit/base | current | history1 | history2 |
|------------|----------------|---------|------------|----------|
| Silicon | ppm ASTM D6130 | 0 | 6 | 5 |
| Phosphorus | ppm ASTM D6130 | 0 | 0 | 0 |
| Boron | ppm ASTM D6130 | 0 | 0 | 0 |
| Molybdenum | ppm ASTM D6130 | 950 | 891 | 1035 |

CORROSION

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

CONTAMINANTS

| method | limit/base | current | history1 | history2 |
|----------|----------------|----------|----------|----------|
| Chlorine | ppm ASTM D6130 | 0 | 75 | 91 |

CARRIER SALTS

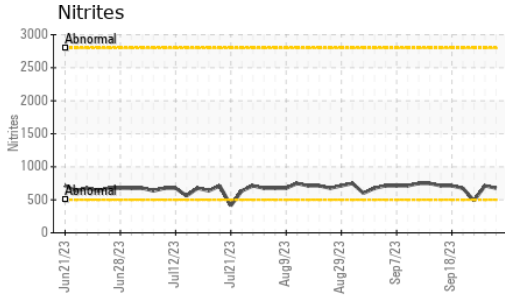
| method | limit/base | current | history1 | history2 |
|-----------|----------------|-------------|----------|----------|
| Sodium | ppm ASTM D6130 | 5120 | 5515 | ▲ 5959 |
| Potassium | ppm ASTM D6130 | 0 | 0 | 0 |

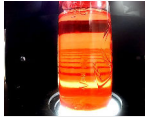
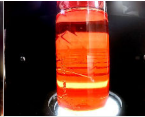




SCALE POTENTIAL

| method | limit/base | current | history1 | history2 |
|-----------|----------------|---------|----------|----------|
| Calcium | ppm ASTM D6130 | >5 | 0 | <1 |
| Magnesium | ppm ASTM D6130 | >6 | 0 | 0 |

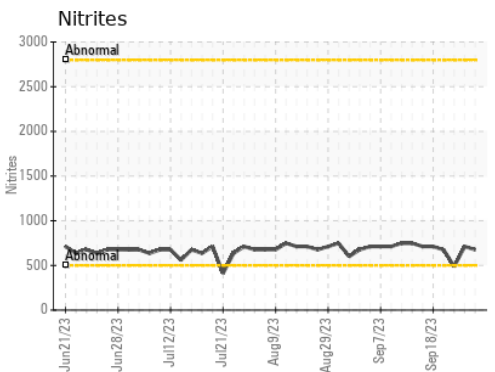
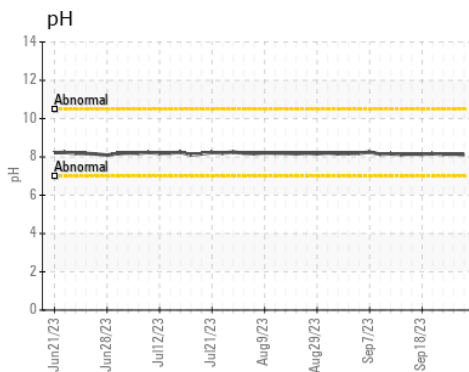
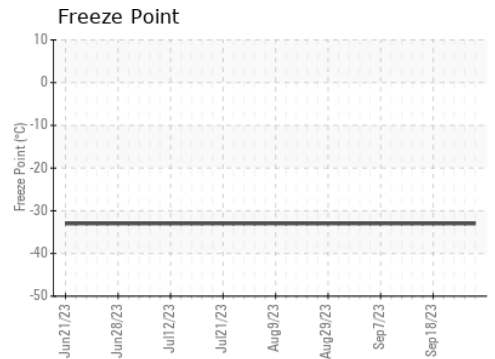
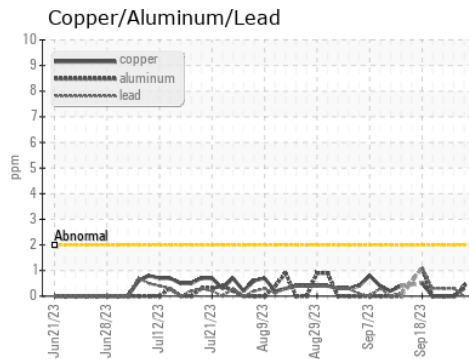
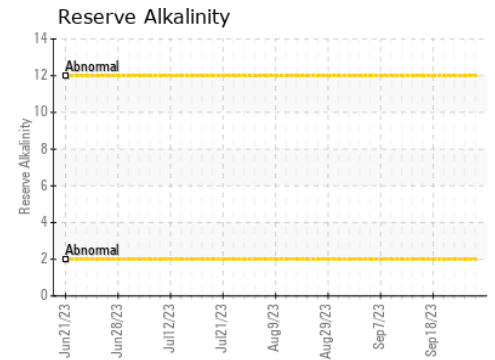
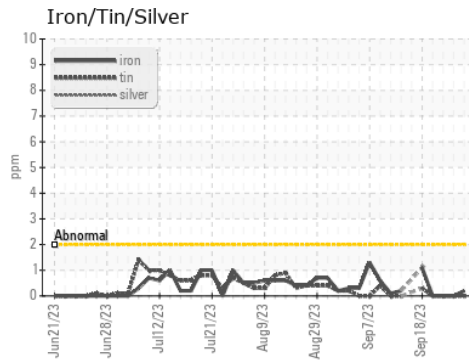


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0855355 **Received** : 25 Sep 2023
Lab Number : 05960266 **Diagnosed** : 27 Sep 2023
Unique Number : 10661479 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

WEARCHECK LUBRICATION SERVICES QA ACCOUNT
 501 Madison Ave
 Cary, NC
 US 27513
 Contact: WCLS CARY NC

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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