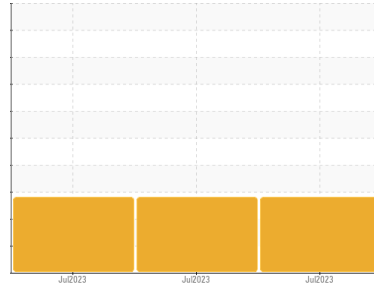




COOLANT REPORT

Sample Rating Trend

OFF SPEC



Machine Id
027003086RVAFC089 - ARCTIQ -50 RV AF PREM PLUS

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

DIAGNOSIS

▲ Recommendation

We recommend that you perform a partial drain and top off with straight antifreeze to increase level of glycol.

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

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

| SAMPLE INFORMATION | | method | limit/base | current | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|-------------|-------------|
| Sample Number | Client Info | | | TLC05901763 | TLC05894742 | WC0835474 |
| Sample Date | Client Info | | | 17 Jul 2023 | 10 Jul 2023 | 03 Jul 2023 |
| Machine Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | Client Info | | | N/A | N/A | N/A |
| Sample Status | | | | ABNORMAL | ABNORMAL | ABNORMAL |

| PHYSICAL TEST RESULTS | | method | limit/base | current | history1 | history2 |
|------------------------|------------|-------------|------------|---------------|----------|----------|
| Specific Gravity | | *ASTM D1298 | | 1.036 | 1.040 | 1.039 |
| pH | Scale 0-14 | ASTM D1287 | | 9.15 | 9.26 | 8.91 |
| Nitrites | ppm | AP-053:2009 | | 224 | 184 | 224 |
| Reserve Alkalinity | Scale 0-20 | *ASTM D1121 | | --- | --- | --- |
| Percentage Glycol | % | ASTM D3321 | | ▲ 27.4 | ▲ 29.8 | ▲ 29.7 |
| Freezing Point | °F | ASTM D3321 | | 8 | 5 | 5 |
| Total Dissolved Solids | | | | 54.5 | 79.0 | 101.0 |
| Carboxylate | | | | n/a | fail | fail |

| CORROSION INHIBITORS | | method | limit/base | current | history1 | history2 |
|----------------------|-----|------------|------------|------------|----------|----------|
| Silicon | ppm | ASTM D6130 | | 0 | <1 | 0 |
| Phosphorus | ppm | ASTM D6130 | | 702 | 0 | 789 |
| Boron | ppm | ASTM D6130 | | 4 | 0 | 0 |
| Molybdenum | ppm | ASTM D6130 | | 1 | <1 | 144 |

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

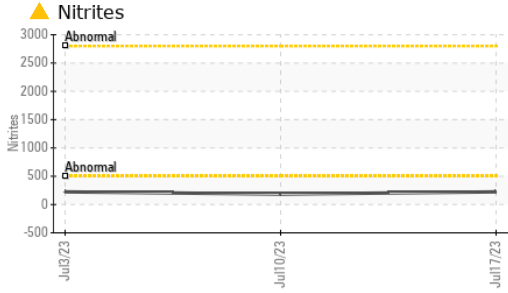
| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|------------|------------|-----------|----------|----------|
| Chlorine | ppm | ASTM D6130 | | 17 | 23 | 2 |

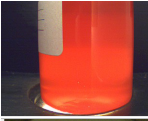

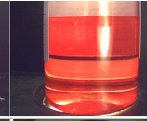



| CARRIER SALTS | | method | limit/base | current | history1 | history2 |
|---------------|-----|------------|------------|-------------|----------|----------|
| Sodium | ppm | ASTM D6130 | | 25 | 5 | 228 |
| Potassium | ppm | ASTM D6130 | | 2450 | 0 | 3604 |

| SCALE POTENTIAL | | method | limit/base | current | history1 | history2 |
|-----------------|-----|------------|------------|----------|----------|----------|
| Calcium | ppm | ASTM D6130 | | 0 | 0 | 0 |
| Magnesium | ppm | ASTM D6130 | | 0 | <1 | 0 |

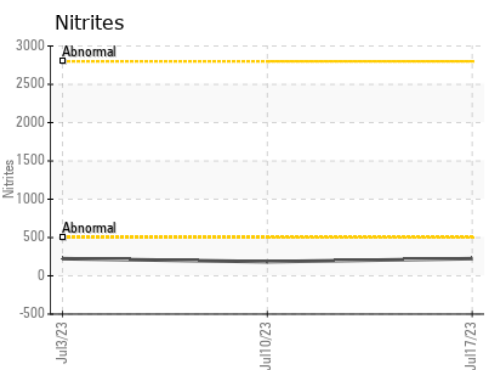
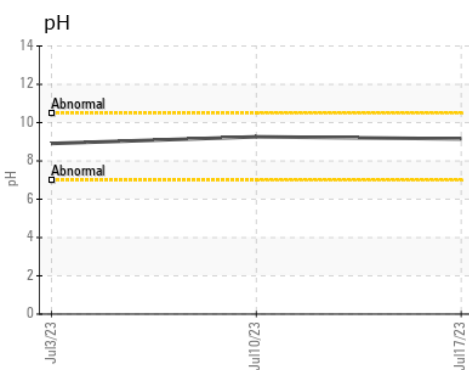
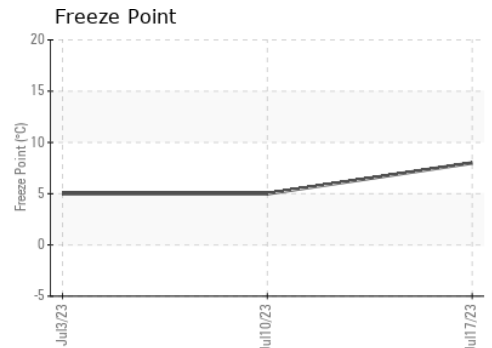
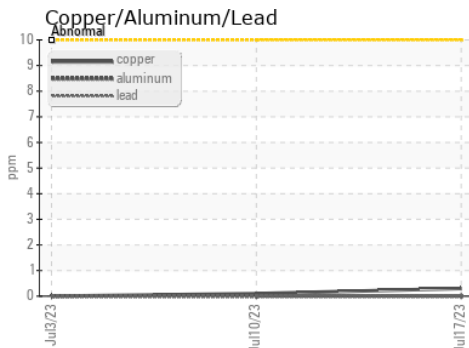
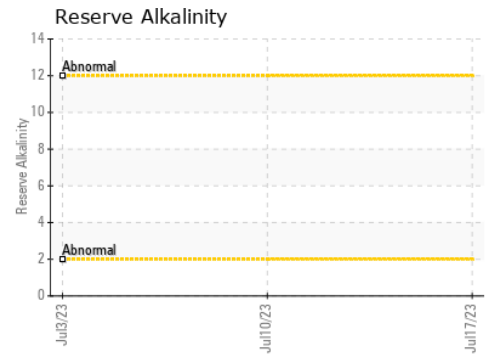
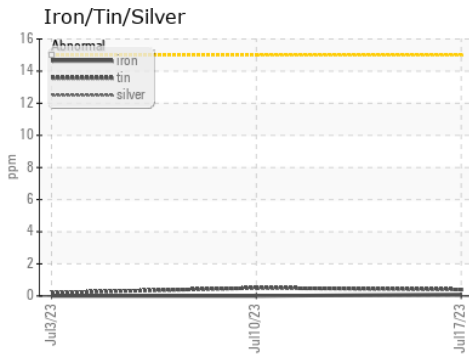


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TLC05901763 **Received** : 18 Jul 2023
Lab Number : 05901763 **Diagnosed** : 20 Jul 2023
Unique Number : 10563119 **Diagnostician** : Jonathan Hester
Test Package : COOL- (Additional Tests: COOL, ICP)

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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