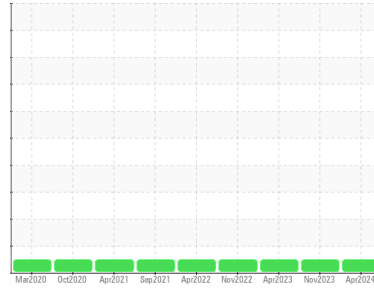




COOLANT REPORT

Machine Id
Grand Blanc CAT 5 GBLM05BE
 Component
Jacket Water Coolant
 Fluid
CHEVRON HEAVY DUTY PF COOLANT (--- GAL)

Sample Rating Trend



NORMAL



DIAGNOSIS

Recommendation

The fluid is suitable for further service. (Customer Sample Comment: 5 j/w sample 6mo)

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

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 | | WC0905665 | WC0870109 | WC0795340 |
| Sample Date | Client Info | | 04 Apr 2024 | 06 Nov 2023 | 05 Apr 2023 |
| Machine Age | hrs | Client Info | 59717 | 56225 | 51396 |
| Oil Age | hrs | Client Info | 12559 | 9067 | 4238 |
| Oil Changed | | Client Info | N/A | Not Changd | N/A |
| Sample Status | | | NORMAL | NORMAL | NORMAL |

PHYSICAL TEST RESULTS

| | method | limit/base | current | history1 | history2 |
|------------------------|-------------|------------------|--------------|----------|----------|
| Glycol Type | FT-IR | | --- | --- | --- |
| Specific Gravity | *ASTM D1298 | | 1.069 | 1.069 | 1.068 |
| pH | Scale 0-14 | ASTM D1287 10.5 | 8.70 | 8.71 | 8.97 |
| Nitrites | ppm | AP-053:2009 >800 | 1240 | 1352 | 1276 |
| Reserve Alkalinity | Scale 0-20 | *ASTM D1121 | --- | --- | --- |
| Percentage Glycol | % | ASTM D3321 50 | 51.5 | 51.6 | 50.6 |
| Freezing Point | °F | ASTM D3321 -37 | -38 | -38 | -35 |
| Total Dissolved Solids | | | 224.0 | 235.5 | 222.0 |
| Carboxylate | | | fail | n/a | fail |

CORROSION INHIBITORS

| | method | limit/base | current | history1 | history2 |
|------------|--------|-----------------|------------|----------|----------|
| Silicon | ppm | ASTM D6130 1000 | 50 | 52 | 98 |
| Phosphorus | ppm | ASTM D6130 0 | 5 | 7 | 21 |
| Boron | ppm | ASTM D6130 | 368 | 308 | 478 |
| Molybdenum | ppm | ASTM D6130 | 196 | 166 | 135 |

CORROSION

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

CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|----------|--------|------------|----------|----------|----------|
| Chlorine | ppm | ASTM D6130 | 0 | 7 | 20 |

CARRIER SALTS

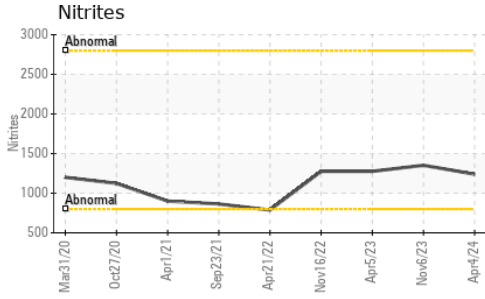
| | method | limit/base | current | history1 | history2 |
|-----------|--------|------------|-------------|----------|----------|
| Sodium | ppm | ASTM D6130 | 2275 | 1934 | 2768 |
| Potassium | ppm | ASTM D6130 | 36 | 27 | 83 |

SCALE POTENTIAL

| | method | limit/base | current | history1 | history2 |
|-----------|--------|------------|--------------|----------|----------|
| Calcium | ppm | ASTM D6130 | <1 | 3 | 1 |
| Magnesium | ppm | ASTM D6130 | 0 | 1 | 0 |

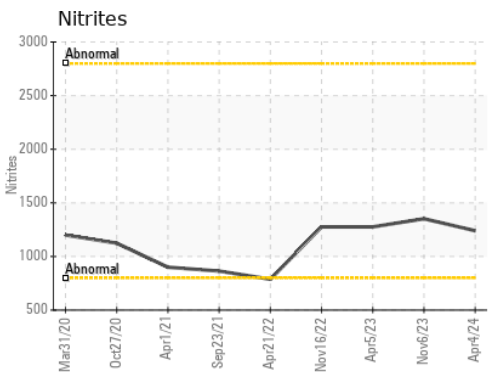
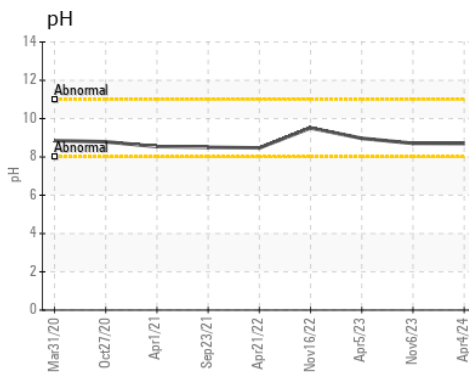
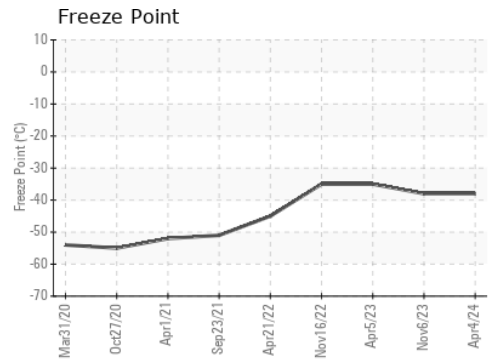
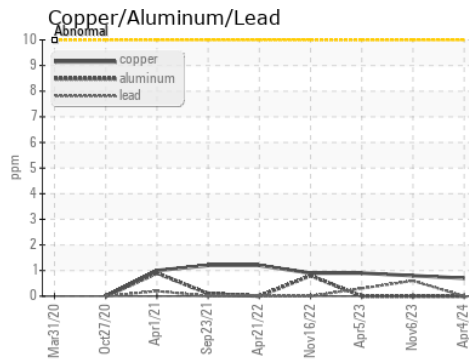
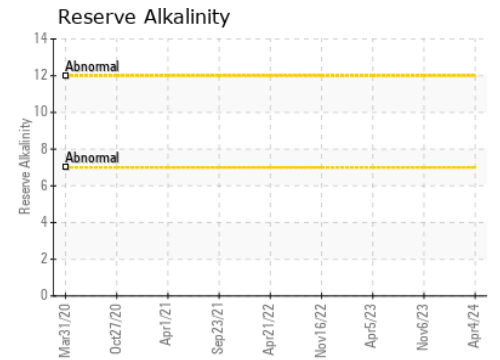
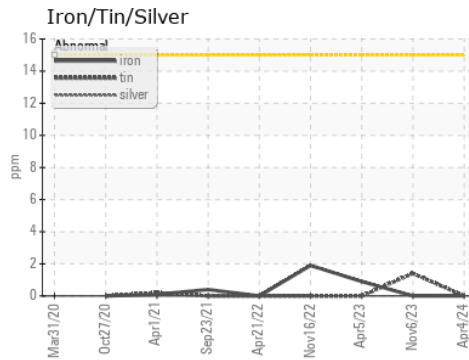


COOLANT REPORT



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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0905665 **Received** : 11 Apr 2024
Lab Number : 06146291 **Tested** : 16 Apr 2024
Unique Number : 10976369 **Diagnosed** : 16 Apr 2024 - Jonathan Hester
Test Package : COOL- (Additional Tests: BoilingPoint, COOL, GlycolType, ICP)

EDL NA Recips-Grand Blanc
 Grand Blanc Powerstation, 2361 West Grand Blanc Road
 Grand Blanc, MI
 US 48439
 Contact: Tony Saint Marie
 tony.saintmarie@edlenergy.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)

T:
F: