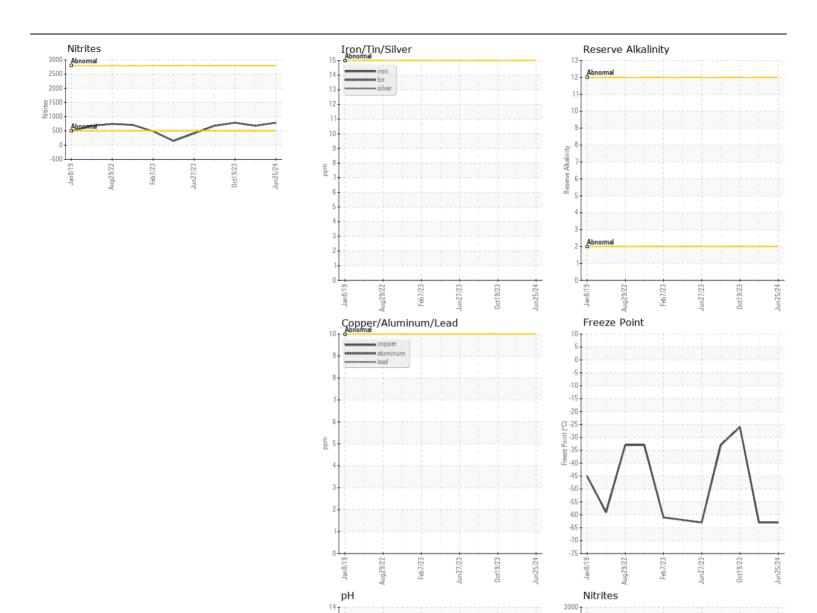
CORROSION CONTAMINANTS COOLANT CONDITION **NORMAL NORMAL NORMAL**

2H28

VOLVO 06003 REEFER (S/N 4V5KC9DF4JN890042) Coolant

EXTENDED LIFE COOLANT (--- GAL)

| Sample Number Client Info ARI06221773 ARI06147928 ARI05985275 | | | | | | | | |
|--|---|------------------------|------------|-------------|-----------|-------------|-------------|-------------|
| Sample Date Client Info 25 Jun 2024 11 Apr 2024 19 Oct 2023 | RECOMMENDATION | Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
| Machine Age hrs Client Info 15068 14604 13289 Oil Age hrs Client Info 0 0 0 0 Oil Changed Client Info N/A | The fluid is suitable for further service. | Sample Number | | Client Info | | ARI06221773 | ARI06147928 | ARI05985275 |
| Oil Age hrs Client Info O O O O O O O O O | | Sample Date | | Client Info | | 25 Jun 2024 | 11 Apr 2024 | 19 Oct 2023 |
| Oil Changed Client Info N/A N/A N/A N/A NORMAL NOR | | Machine Age | hrs | Client Info | | 15068 | 14604 | 13289 |
| Sample Status NORMAL NORMAL NORMAL NORMAL | | Oil Age | hrs | Client Info | | 0 | 0 | 0 |
| Total Dissolved Solids *Visual Clear normal normal normal | | Oil Changed | | Client Info | | N/A | N/A | N/A |
| Coolant Appearance *Visual Clear normal normal normal | | Sample Status | | | | NORMAL | NORMAL | NORMAL |
| Boiling Point °C WC Method 233 233 | CORROSION | Total Dissolved Solids | | | | 515.5 | 412.5 | 336.0 |
| There is no indication of any contamination in the coolant. Specific Gravity PH Scale 0-14 ASTM D1298 1.083 1.084 1.063 PH Scale 0-14 ASTM D1287 7.26 7.39 7.53 Nitrites Ppm AP-053:2009 788 676 788 Reserve Alkalinity Scale 0-20 *ASTM D1121 Percentage Glycol % ASTM D3321 64.0 64.5 46.8 Freezing Point *F ASTM D3321 -63 -63 -26 Carboxylate N/a N/a N/a | | Coolant Appearance | | *Visual | Clear | normal | normal | normal |
| pH Scale 0-14 ASTM D1287 7.26 7.39 7.53 Nitrites ppm AP-053:2009 788 676 788 Reserve Alkalinity Scale 0-20 *ASTM D1121 Percentage Glycol % ASTM D3321 64.0 64.5 46.8 Freezing Point °F ASTM D3321 -63 -63 -26 Carboxylate n/a n/a n/a | CONTAMINANTS | Boiling Point | °C | WC Method | | 233 | 233 | |
| Nitrites ppm AP-053:2009 788 676 788 Reserve Alkalinity Scale 0-20 *ASTM D1121 Percentage Glycol % ASTM D3321 64.0 64.5 46.8 Freezing Point °F ASTM D3321 -63 -63 -26 Carboxylate n/a n/a n/a n/a | There is no indication of any contamination in the coolant. | Specific Gravity | | *ASTM D1298 | | 1.083 | 1.084 | 1.063 |
| Reserve Alkalinity Scale 0-20 *ASTM D1121 Percentage Glycol % ASTM D3321 64.0 64.5 46.8 Freezing Point °F ASTM D3321 -63 -63 -26 Carboxylate n/a n/a n/a | | рН | Scale 0-14 | ASTM D1287 | | 7.26 | 7.39 | 7.53 |
| Percentage Glycol % ASTM D3321 64.0 64.5 46.8 Freezing Point °F ASTM D3321 -63 -63 -26 Carboxylate n/a n/a n/a n/a | | Nitrites | ppm | AP-053:2009 | | 788 | 676 | 788 |
| Freezing Point °F ASTM D3321 -63 -63 -26 Carboxylate n/a n/a n/a | | Reserve Alkalinity | Scale 0-20 | *ASTM D1121 | | | | |
| Carboxylate n/a n/a n/a | | Percentage Glycol | % | ASTM D3321 | | 64.0 | 64.5 | 46.8 |
| | | Freezing Point | °F | ASTM D3321 | | -63 | -63 | -26 |
| Coolant Color *Visual Red Pink Red | | Carboxylate | | | | n/a | n/a | n/a |
| | | Coolant Color | | *Visual | | Red | Pink | Red |







Certificate L2367

Laboratory

Sample No.

Lab Number : 06221773 Unique Number : 11099970

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : ARI06221773

Received **Tested** Diagnosed **Test Package**: COOL- (Additional Tests: GlycolType)

: 26 Jun 2024 : 27 Jun 2024 : 28 Jun 2024 - Jonathan Hester

Jun25/24

-200

INSITUFORM TECHNOLOGIES, INC 17988 EDISON AVE.

CHESTERFIELD, MO US 63005 Contact: JOHN SLOAN

ARICHTER@INSITUFORM.COM T: (314)280-7555

* - 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)

To discuss this sample report, contact Customer Service at 1-800-237-1369.

F: Contact/Location: JOHN SLOAN - AR5202CHE