



COOLANT REPORT

| | |
|-------------------|---------------|
| CORROSION | NORMAL |
| CONTAMINANTS | NORMAL |
| COOLANT CONDITION | NORMAL |

Area
DAKOTA RANGE III [200006928]
 Machine Id
09WEA87762 - B-03-A
 Component
Coolant
 Fluid
CLARIANT ANTIFROGEN N (--- LTR)

RECOMMENDATION

The fluid is suitable for further service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | NX015978 | NX05852700 | --- |
| Sample Date | | Client Info | | 11 Jun 2024 | 19 Apr 2023 | --- |
| Machine Age | hrs | Client Info | | 22413 | 13550 | --- |
| Oil Age | hrs | Client Info | | 8920 | 0 | --- |
| Oil Changed | | Client Info | | Not Changd | N/A | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

CORROSION

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

| | | | | | | |
|----------|-----|------------|-----|--------------|----|-----|
| Iron | ppm | ASTM D6130 | >15 | 1 | 16 | --- |
| Aluminum | ppm | ASTM D6130 | >10 | 2 | 3 | --- |
| Copper | ppm | ASTM D6130 | >10 | 0 | 1 | --- |
| Lead | ppm | ASTM D6130 | >10 | 0 | <1 | --- |
| Tin | ppm | ASTM D6130 | >10 | 0 | 1 | --- |
| Zinc | ppm | ASTM D6130 | >10 | <1 | 2 | --- |

CONTAMINANTS

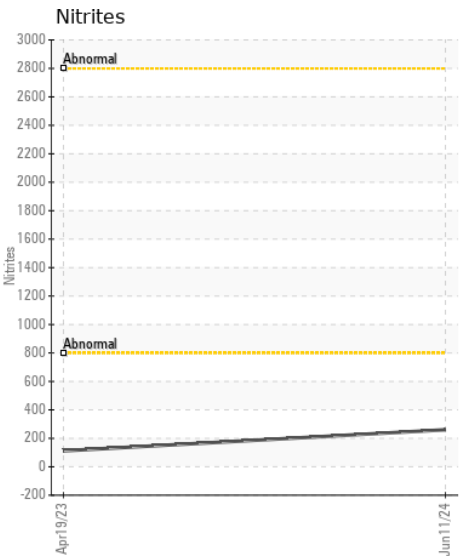
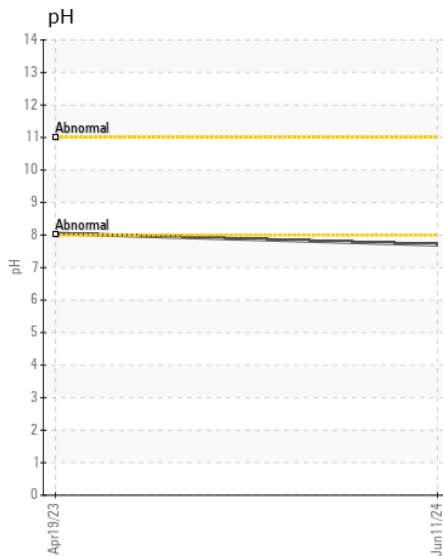
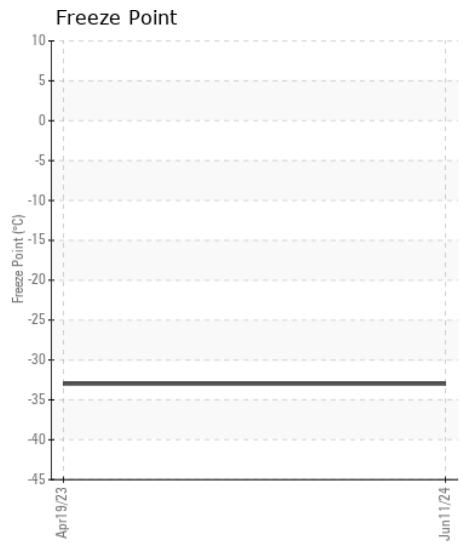
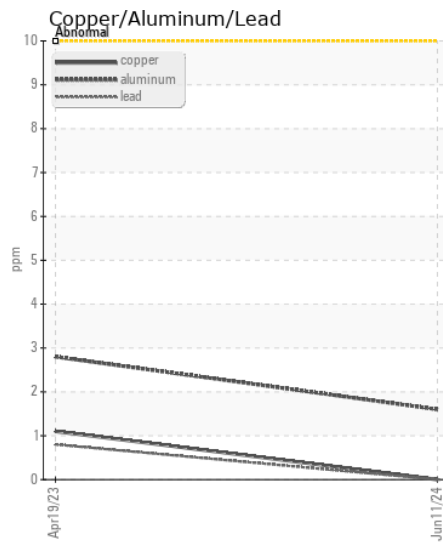
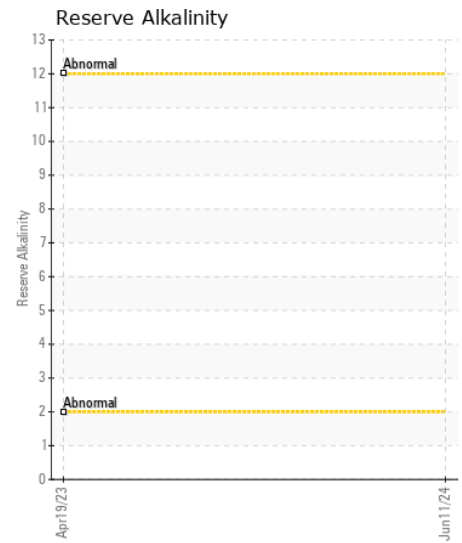
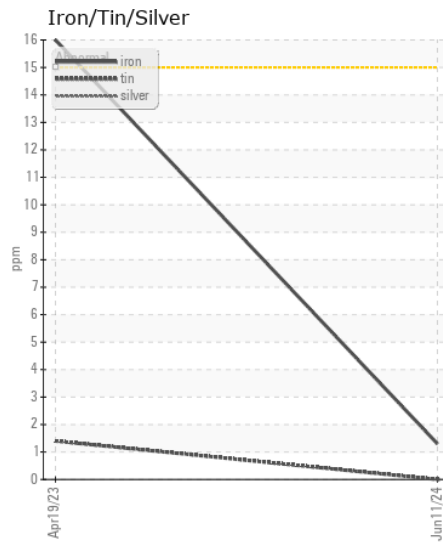
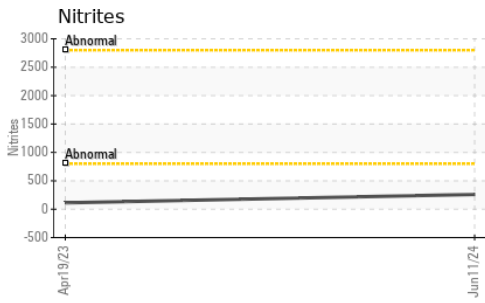
There is no indication of any contamination in the coolant.

| | | | | | | |
|------------------------|-----|------------|-------|---------------|--------|-----|
| Calcium | ppm | ASTM D6130 | | 0 | 1 | --- |
| Chlorine | ppm | ASTM D6130 | | 0 | 36 | --- |
| Magnesium | ppm | ASTM D6130 | | <1 | 1 | --- |
| Total Dissolved Solids | | | | 316.0 | 281.5 | --- |
| Coolant Appearance | | *Visual | Clear | normal | normal | --- |

COOLANT CONDITION

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

| | | | | | | |
|--------------------|------------|-------------|--------|--------------|-------|-----|
| Boiling Point | °C | WC Method | | 225 | --- | --- |
| Specific Gravity | | *ASTM D1298 | 1.11 | 1.067 | 1.067 | --- |
| pH | Scale 0-14 | ASTM D1287 | 8.5 | 7.70 | 8.05 | --- |
| Nitrites | ppm | AP-053:2009 | | 260 | 112 | --- |
| Reserve Alkalinity | Scale 0-20 | *ASTM D1121 | 4.0 | --- | --- | --- |
| Percentage Glycol | % | ASTM D3321 | 44 | 49.4 | 49.9 | --- |
| Freezing Point | °F | ASTM D3321 | -32 | -33 | -33 | --- |
| Carboxylate | | | | fail | n/a | --- |
| Silicon | ppm | ASTM D6130 | 3 | 2 | 10 | --- |
| Phosphorus | ppm | ASTM D6130 | 5 | 0 | 53 | --- |
| Boron | ppm | ASTM D6130 | 15 | 0 | 20 | --- |
| Molybdenum | ppm | ASTM D6130 | 110 | 142 | 305 | --- |
| Sodium | ppm | ASTM D6130 | 2400 | 3505 | 5661 | --- |
| Potassium | ppm | ASTM D6130 | 5 | 156 | 265 | --- |
| Coolant Color | | *Visual | Yellow | Yllow | Yllow | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : NX015978
Lab Number : 06217242
Unique Number : 11090106
Test Package : COOL- (Additional Tests: GlycolType, ICP)

Received : 21 Jun 2024
Tested : 26 Jun 2024
Diagnosed : 26 Jun 2024 - Jonathan Hester

NORDEX USA - Chicago
 300 SOUTH WACKER DRIVE, SUITE 1500
 CHICAGO, IL
 US 60606
 Contact: MICHAEL SELL
 msell@nordex-online.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: (312)386-7102