



OIL ANALYSIS REPORT

| | |
|-----------------|---------------|
| WEAR | NORMAL |
| CONTAMINATION | NORMAL |
| FLUID CONDITION | NORMAL |

Machine Id
21513
 Component
Compressor
 Fluid
INGERSOLL-RAND TECHTROL GOLD TL (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | CCSI2014512 | CCSI2014562 | CCSI2010839 |
| Sample Date | | Client Info | | 13 Jun 2024 | 05 Apr 2024 | 13 Dec 2023 |
| Machine Age | hrs | Client Info | | 22178 | 20261 | 17807 |
| Oil Age | hrs | Client Info | | 22178 | 20261 | 17807 |
| Filter Age | hrs | Client Info | | 0 | 0 | 0 |
| Oil Changed | | Client Info | | Not Changd | Not Changd | Not Changd |
| Filter Changed | | Client Info | | N/A | N/A | N/A |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

| | | | | | | |
|--------------|--------|-------------|------|-------------|------|------|
| Iron | ppm | ASTM D5185m | >50 | 0 | 0 | 0 |
| Chromium | ppm | ASTM D5185m | >10 | 0 | 0 | <1 |
| Nickel | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 0 | 0 | 2 |
| Lead | ppm | ASTM D5185m | >25 | 0 | 0 | 0 |
| Copper | ppm | ASTM D5185m | >50 | 0 | 0 | 0 |
| Tin | ppm | ASTM D5185m | >15 | 0 | 0 | 0 |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| White Metal | scalar | *Visual | NONE | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | NONE |

CONTAMINATION

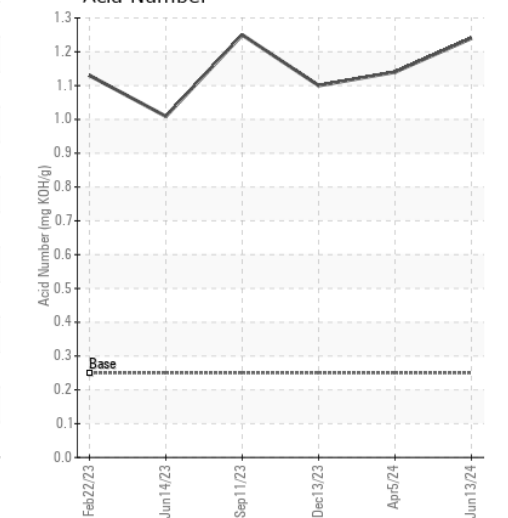
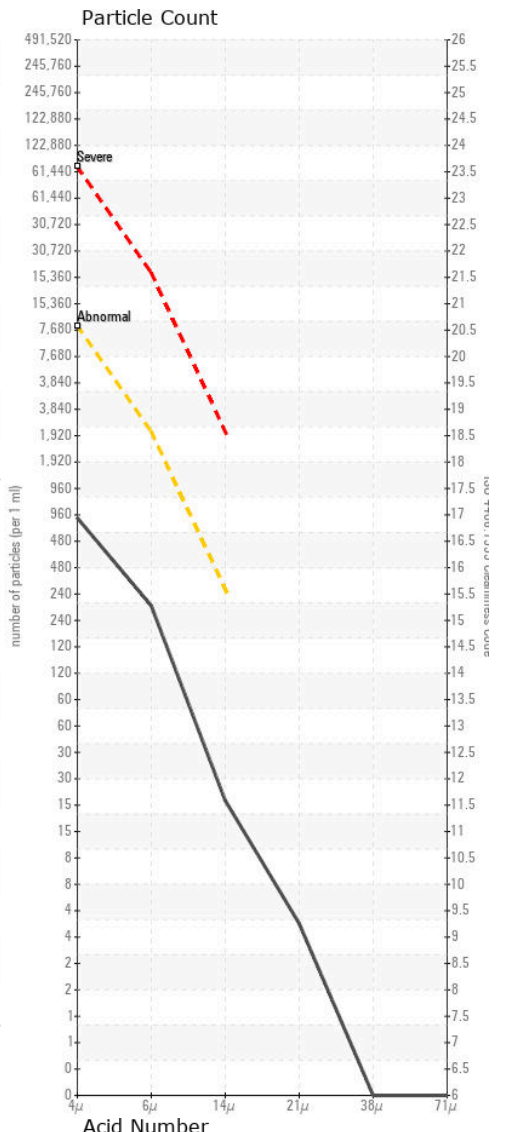
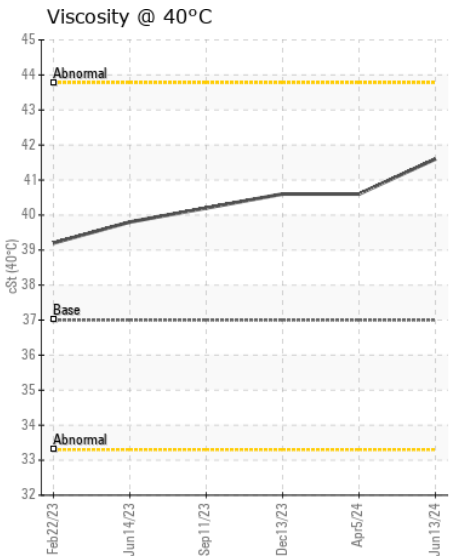
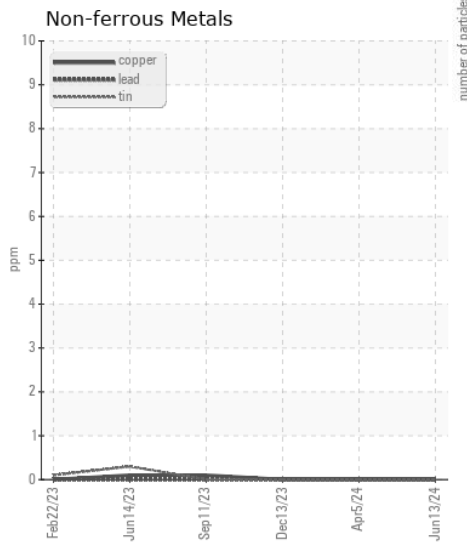
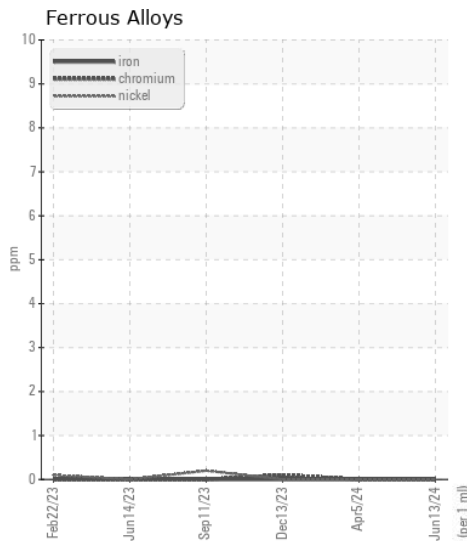
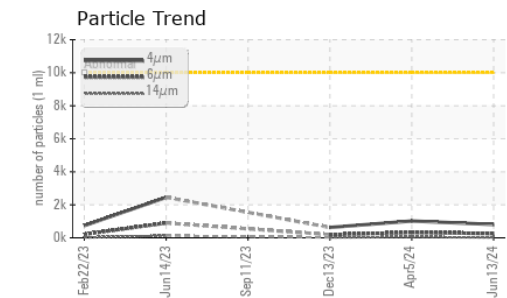
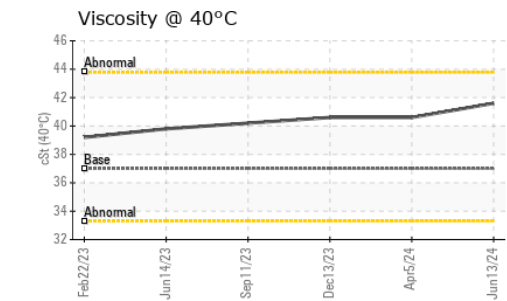
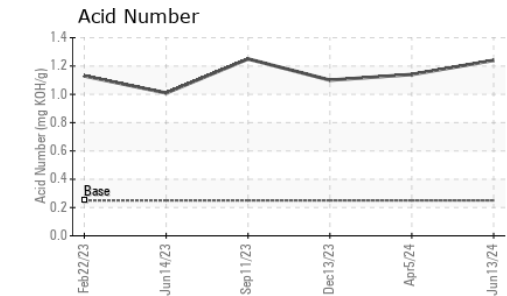
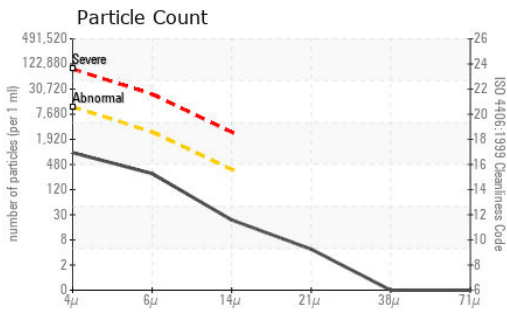
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

| | | | | | | |
|------------------|--------|--------------|-----------|-----------------|----------|----------|
| Silicon | ppm | ASTM D5185m | >25 | <1 | <1 | 1 |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 0 | 2 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Particles >4µm | | ASTM D7647 | >10000 | 808 | 1019 | 628 |
| Particles >6µm | | ASTM D7647 | >2500 | 256 | 328 | 189 |
| Particles >14µm | | ASTM D7647 | >320 | 20 | 46 | 19 |
| Particles >21µm | | ASTM D7647 | >80 | 4 | 9 | 8 |
| Particles >38µm | | ASTM D7647 | >20 | 0 | 0 | 2 |
| Particles >71µm | | ASTM D7647 | >4 | 0 | 0 | 0 |
| Oil Cleanliness | | ISO 4406 (c) | >20/18/15 | 17/15/11 | 17/16/13 | 16/15/11 |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | NONE |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Appearance | scalar | *Visual | NORML | NORML | NORML | NORML |
| Odor | scalar | *Visual | NORML | NORML | NORML | NORML |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | NEG | NEG |

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| | | | | | | |
|------------------|----------|-------------|------|--------------|------|------|
| Sodium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Boron | ppm | ASTM D5185m | | 0 | 0 | <1 |
| Barium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Molybdenum | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Magnesium | ppm | ASTM D5185m | | 0 | 0 | 1 |
| Calcium | ppm | ASTM D5185m | | <1 | 2 | 2 |
| Phosphorus | ppm | ASTM D5185m | | 168 | 131 | 201 |
| Zinc | ppm | ASTM D5185m | | 12 | 18 | 15 |
| Sulfur | ppm | ASTM D5185m | | 204 | 0 | 0 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.25 | 1.24 | 1.14 | 1.10 |
| Visc @ 40°C | cSt | ASTM D445 | 37 | 41.6 | 40.6 | 40.6 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : CCSI2014512 **Received** : 25 Jun 2024
Lab Number : 06219652 **Tested** : 26 Jun 2024
Unique Number : 11097849 **Diagnosed** : 26 Jun 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: PrtCount)

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)

PRIMIANT
 198 BLAIR BEND DR
 LENOIR CITY, TN
 US 37774

Contact: CHRIS SAYLOR
 chris.saylor@primiant.com
 T: (865)408-0594

F: