



OIL ANALYSIS REPORT

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

Area
PALLUBE 32
Machine Id
SULLIVAN PALATEK 22JE003349 - CITY OF MT VIEW
Component
Compressor

RECOMMENDATION

Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|-------------|
| Sample Number | | Client Info | | UCH06231562 | UCS06141492 | UCS05818926 |
| Sample Date | | Client Info | | 20 Jun 2024 | 19 Mar 2024 | 29 Mar 2023 |
| Machine Age | hrs | Client Info | | 13879 | 11451 | 3841 |
| Oil Age | hrs | Client Info | | 13879 | 0 | 3841 |
| Filter Age | hrs | Client Info | | 13879 | 0 | 3841 |
| Oil Changed | | Client Info | | Not Changed | Changed | Not Changed |
| Filter Changed | | Client Info | | Changed | Changed | Changed |
| Sample Status | | | | NORMAL | NORMAL | NORMAL |

WEAR

All component wear rates are normal.

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

CONTAMINATION

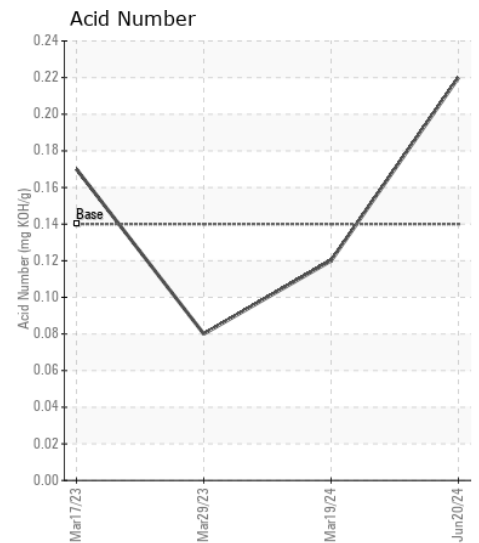
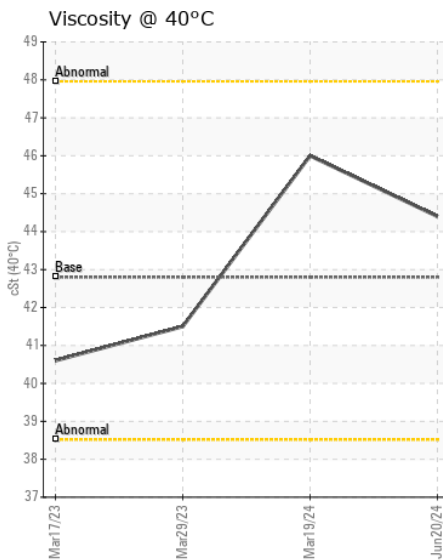
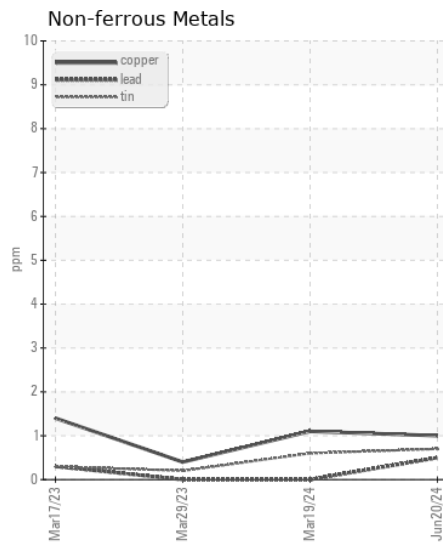
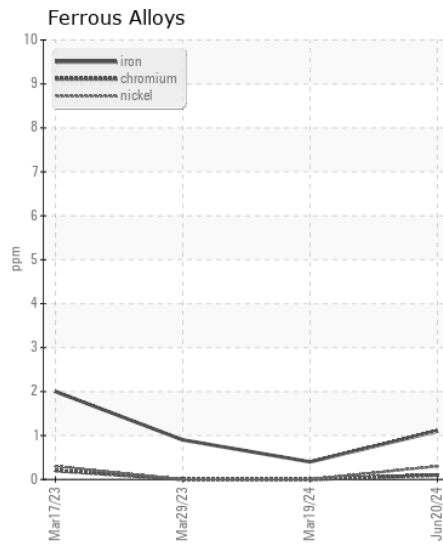
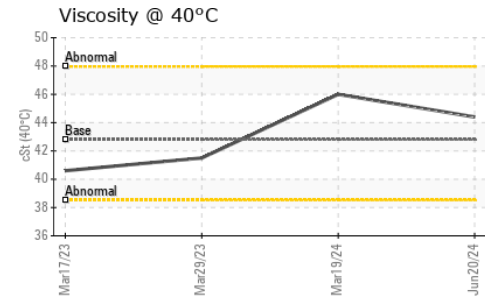
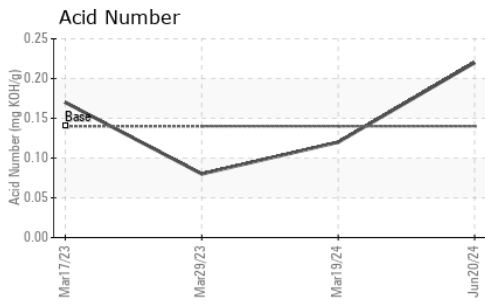
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-------|
| Silicon | ppm | ASTM D5185m | >25 | 2 | 1 | 2 |
| Potassium | ppm | ASTM D5185m | >20 | 8 | 2 | 3 |
| Water | | WC Method | >0.1 | NEG | NEG | NEG |
| Silt | scalar | *Visual | NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual | NONE | NONE | NONE | LIGHT |
| 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 | | 132 | 90 | 60 |
| Boron | ppm | ASTM D5185m | 1 | 0 | 0 | 0 |
| Barium | ppm | ASTM D5185m | 730 | 478 | 434 | 366 |
| Molybdenum | ppm | ASTM D5185m | 0 | <1 | 0 | 0 |
| Manganese | ppm | ASTM D5185m | 0.0 | <1 | 0 | <1 |
| Magnesium | ppm | ASTM D5185m | 0 | <1 | 0 | 2 |
| Calcium | ppm | ASTM D5185m | 0 | 0 | 0 | 2 |
| Phosphorus | ppm | ASTM D5185m | 0 | 14 | 14 | 59 |
| Zinc | ppm | ASTM D5185m | 0 | 10 | 0 | 8 |
| Sulfur | ppm | ASTM D5185m | 590 | 439 | 541 | 813 |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.14 | 0.22 | 0.12 | 0.08 |
| Visc @ 40°C | cSt | ASTM D445 | 42.8 | 44.4 | 46.0 | 41.5 |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06231562
Lab Number : 06231562
Unique Number : 11115055
Test Package : IND 2

Received : 09 Jul 2024
Tested : 10 Jul 2024
Diagnosed : 10 Jul 2024 - Wes Davis

D & D COMPRESSOR INC

SAN JOSE, CA
US 95112

Contact: EDNA IADIANO
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F:

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)