



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

Area
PALEXTRA 44
Machine Id
PALATEK 22DE003028 - MARBURGER DAIRY
Component
Compressor

RECOMMENDATION

The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|----------------|-----|-------------|-----------|--------------------|-------------|----------|
| Sample Number | | Client Info | | UCS06122514 | UCS05948142 | --- |
| Sample Date | | Client Info | | 12 Mar 2024 | 05 Sep 2023 | --- |
| Machine Age | hrs | Client Info | | 1983 | 147 | --- |
| Oil Age | hrs | Client Info | | 1983 | 147 | --- |
| Filter Age | hrs | Client Info | | 1836 | 147 | --- |
| Oil Changed | | Client Info | | Not Changed | Not Changed | --- |
| Filter Changed | | Client Info | | Changed | Changed | --- |
| Sample Status | | | | NORMAL | NORMAL | --- |

WEAR

All component wear rates are normal.

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

CONTAMINATION

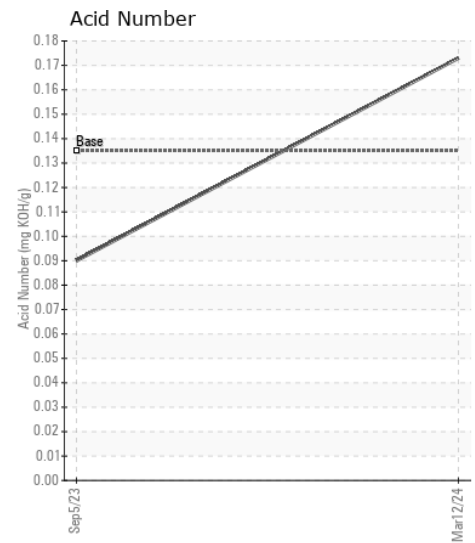
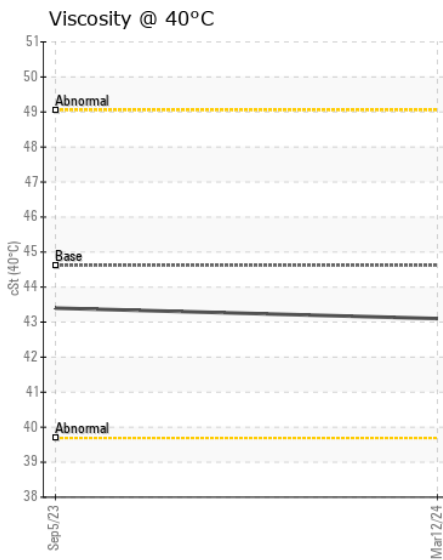
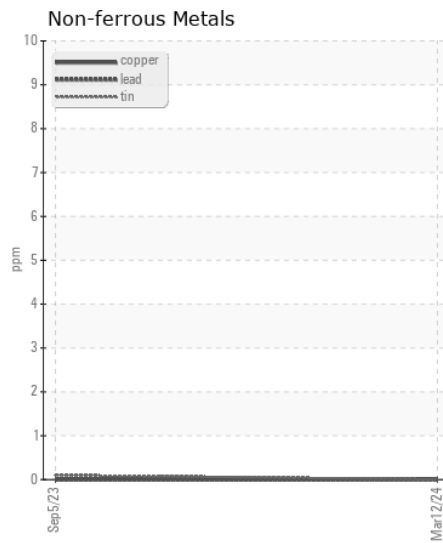
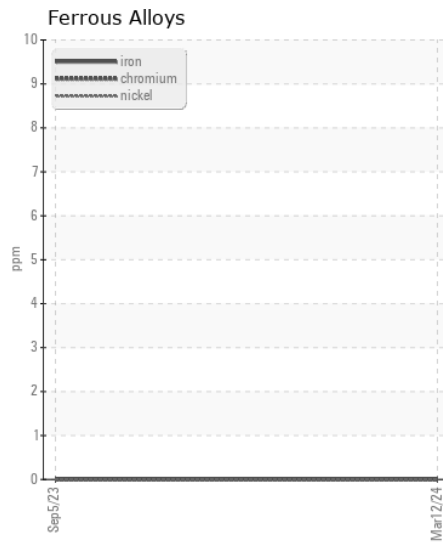
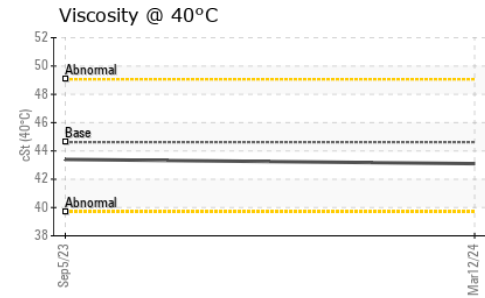
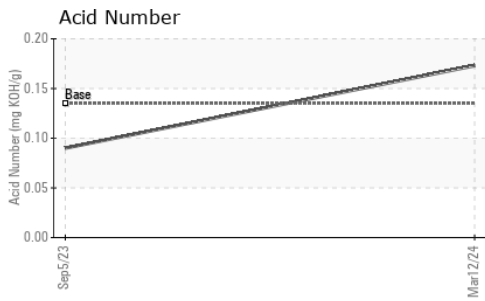
There is no indication of any contamination in the oil.

| | | | | | | |
|------------------|--------|-------------|-------|--------------|-------|-----|
| Silicon | ppm | ASTM D5185m | >25 | <1 | 4 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 1 | --- |
| Water | | WC Method | >0.1 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | MODER | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.1 | 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 | | 0 | <1 | --- |
| Boron | ppm | ASTM D5185m | 0 | 0 | 0 | --- |
| Barium | ppm | ASTM D5185m | 0.3 | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | 0 | --- |
| Manganese | ppm | ASTM D5185m | 0.3 | 0 | 0 | --- |
| Magnesium | ppm | ASTM D5185m | 0.4 | 0 | 0 | --- |
| Calcium | ppm | ASTM D5185m | 0 | 0 | 0 | --- |
| Phosphorus | ppm | ASTM D5185m | 689 | 435 | 512 | --- |
| Zinc | ppm | ASTM D5185m | 0 | 0 | 0 | --- |
| Sulfur | ppm | ASTM D5185m | 1237 | 792 | 1153 | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.135 | 0.173 | 0.09 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 44.62 | 43.1 | 43.4 | --- |



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCS06122514 **Received** : 19 Mar 2024
Lab Number : **06122514** **Tested** : 20 Mar 2024
Unique Number : 10936665 **Diagnosed** : 21 Mar 2024 - Sean Felton
Test Package : IND 2

TRI-STATE AIR COMPRESSOR
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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)