IND II

Sullivan Palatek

OIL ANALYSIS REPORT

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

Area
**PALASYN 45**
Machine Id
**PALATEK 20CE001048 - WALNUT GROVE WEST**
Component
**Compressor**

## RECOMMENDATION

Resample at the next service interval to monitor.

## WEAR

All component wear rates are normal.

## CONTAMINATION

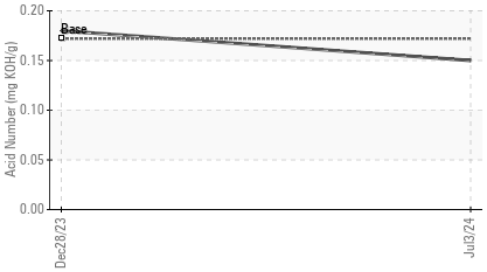
There is no indication of any contamination in the oil.

## FLUID CONDITION

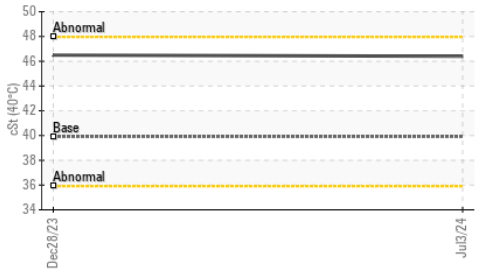
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

| Test | UOM | Method | Limit/Abn | Current | History1 | History2 |
|---|---|---|---|---|---|---|
| Sample Number | | Client Info | | UCS06232367 | UCS06051068 | --- |
| Sample Date | | Client Info | | 03 Jul 2024 | 28 Dec 2023 | --- |
| Machine Age | hrs | Client Info | | 3936 | 2905 | --- |
| Oil Age | hrs | Client Info | | 1000 | 800 | --- |
| Filter Age | hrs | Client Info | | 1000 | 400 | --- |
| Oil Changed | | Client Info | | Not Changd | Changed | --- |
| Filter Changed | | Client Info | | Changed | Changed | --- |
| Sample Status | | | | NORMAL | 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 | <1 | --- |
| 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 | <1 | --- |
| Tin | ppm | ASTM D5185m | >15 | 0 | <1 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | <1 | --- |
| White Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE | --- |
| Silicon | ppm | ASTM D5185m | >25 | 2 | <1 | --- |
| Potassium | ppm | ASTM D5185m | >20 | 0 | 0 | --- |
| Water | | WC Method | >0.1 | NEG | NEG | --- |
| Silt | scalar | *Visual | NONE | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | NONE | --- |
| 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 | --- |
| Sodium | ppm | ASTM D5185m | | <1 | 1 | --- |
| Boron | ppm | ASTM D5185m | 0.0 | 0 | 0 | --- |
| Barium | ppm | ASTM D5185m | 0.0 | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | 0 | --- |
| Manganese | ppm | ASTM D5185m | 0 | 0 | <1 | --- |
| Magnesium | ppm | ASTM D5185m | 0.0 | 2 | 0 | --- |
| Calcium | ppm | ASTM D5185m | 0.0 | 0 | 0 | --- |
| Phosphorus | ppm | ASTM D5185m | 966 | 351 | 337 | --- |
| Zinc | ppm | ASTM D5185m | 0 | 0 | 0 | --- |
| Sulfur | ppm | ASTM D5185m | 1309 | 721 | 219 | --- |
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.172 | 0.15 | 0.18 | --- |
| Visc @ 40°C | cSt | ASTM D445 | 39.9 | 46.4 | 46.5 | --- |

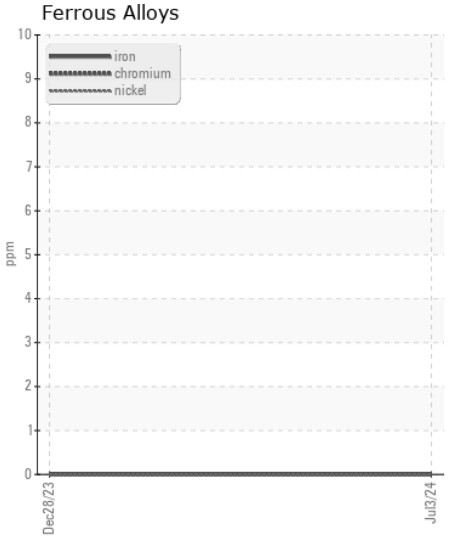
Acid Number



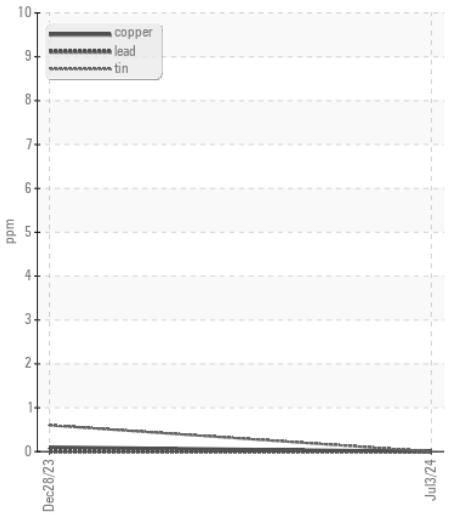

Viscosity @ 40°C



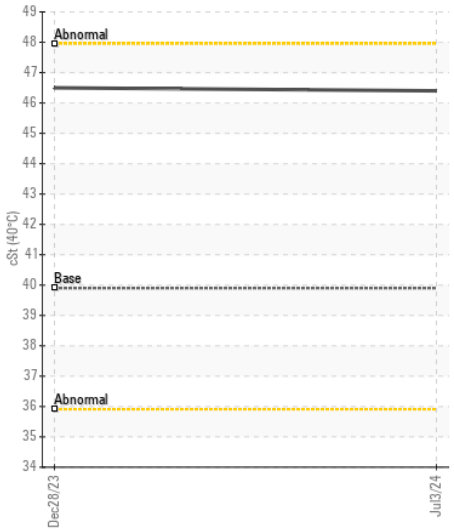

Ferrous Alloys



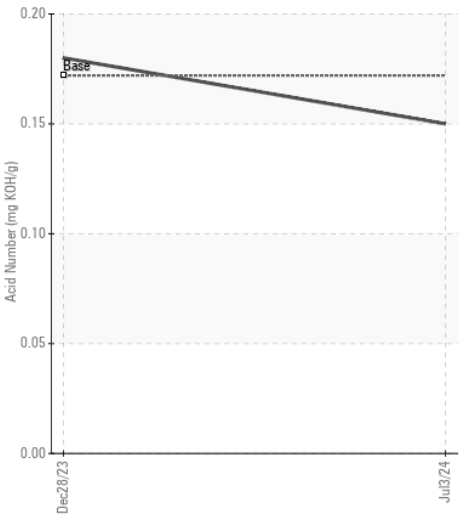

Non-ferrous Metals




Viscosity @ 40°C




Acid Number




Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513
**Sample No.** : UCS06232367
**Lab Number** : 06232367
**Unique Number** : 11115860
**Test Package** : IND 2

**Received** : 10 Jul 2024
**Tested** : 11 Jul 2024
**Diagnosed** : 11 Jul 2024 - Wes Davis

*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)*

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