

Area

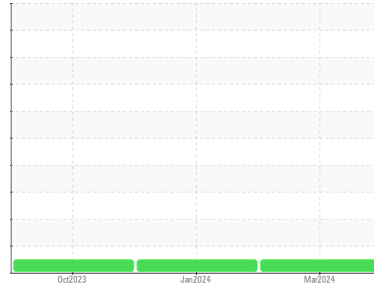
PALLUBE 32

Machine Id

SULLIVAN PALATEK 1510150005 - ERWIN KIETH

Component

Compressor



DIAGNOSIS

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.

SAMPLE INFORMATION method limit/base current history1 history2

| | | | | |
|---------------|-----------------|--------------------|-------------|-------------|
| Sample Number | Client Info | UCS06138654 | UCS06059392 | UCS06009746 |
| Sample Date | Client Info | 29 Mar 2024 | 10 Jan 2024 | 25 Oct 2023 |
| Machine Age | hrs Client Info | 16498 | 16478 | 16181 |
| Oil Age | hrs Client Info | 317 | 297 | 0 |
| Oil Changed | Client Info | Not Chngd | Not Chngd | Changed |
| Sample Status | | NORMAL | NORMAL | NORMAL |

CONTAMINATION method limit/base current history1 history2

| | | | | | |
|-------|-----------|------|------------|-----|-----|
| Water | WC Method | >0.1 | NEG | NEG | NEG |
|-------|-----------|------|------------|-----|-----|

WEAR METALS method limit/base current history1 history2

| | | | | | | |
|----------|-----|-------------|-----|--------------|----|----|
| Iron | ppm | ASTM D5185m | >50 | 0 | 0 | 0 |
| Chromium | ppm | ASTM D5185m | >10 | 0 | 0 | 0 |
| Nickel | ppm | ASTM D5185m | | 0 | 2 | 0 |
| Titanium | ppm | ASTM D5185m | | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | | 0 | <1 | 0 |
| Aluminum | ppm | ASTM D5185m | >25 | 0 | <1 | 0 |
| Lead | ppm | ASTM D5185m | >25 | 0 | <1 | 0 |
| Copper | ppm | ASTM D5185m | >50 | <1 | <1 | <1 |
| Tin | ppm | ASTM D5185m | >15 | <1 | <1 | <1 |
| Vanadium | ppm | ASTM D5185m | | <1 | <1 | <1 |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | 0 |

ADDITIVES method limit/base current history1 history2

| | | | | | | |
|------------|-----|-------------|-----|------------|-----|-----|
| Boron | ppm | ASTM D5185m | 1 | 0 | 0 | 0 |
| Barium | ppm | ASTM D5185m | 730 | 411 | 372 | 498 |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185m | 0.0 | 0 | <1 | 0 |
| Magnesium | ppm | ASTM D5185m | 0 | 0 | 2 | 0 |
| Calcium | ppm | ASTM D5185m | 0 | 0 | 2 | 2 |
| Phosphorus | ppm | ASTM D5185m | 0 | 15 | 26 | 25 |
| Zinc | ppm | ASTM D5185m | 0 | 0 | 0 | <1 |
| Sulfur | ppm | ASTM D5185m | 590 | 685 | 610 | 648 |

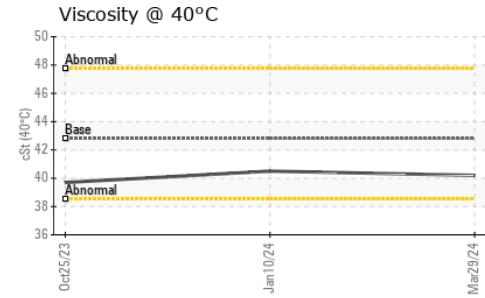
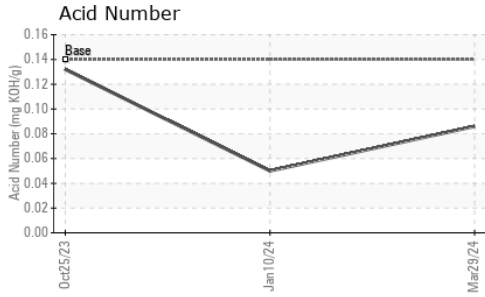
CONTAMINANTS method limit/base current history1 history2

| | | | | | | |
|-----------|-----|-------------|-----|--------------|----|----|
| Silicon | ppm | ASTM D5185m | >25 | <1 | 0 | <1 |
| Sodium | ppm | ASTM D5185m | | 33 | 35 | 12 |
| Potassium | ppm | ASTM D5185m | >20 | 2 | 2 | 1 |

FLUID DEGRADATION method limit/base current history1 history2

| | | | | | | |
|------------------|----------|------------|------|--------------|------|-------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.14 | 0.086 | 0.05 | 0.132 |
|------------------|----------|------------|------|--------------|------|-------|

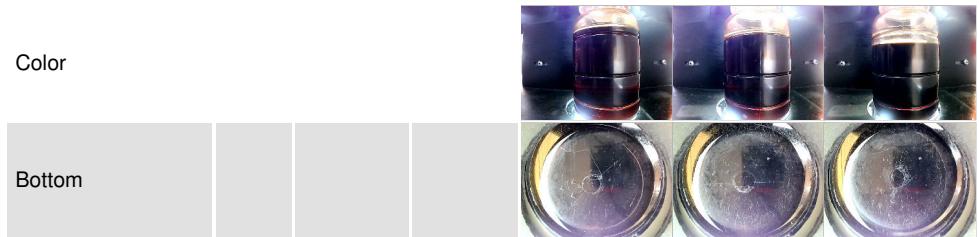
OIL ANALYSIS REPORT



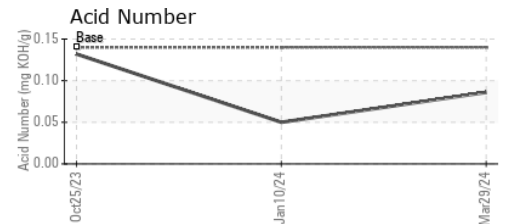
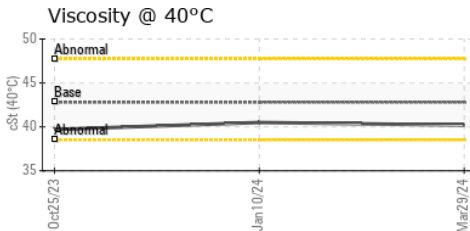
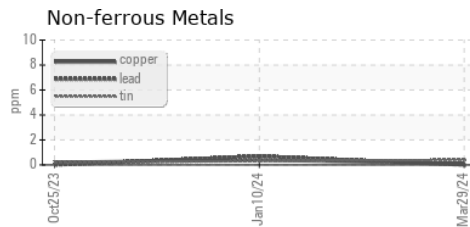
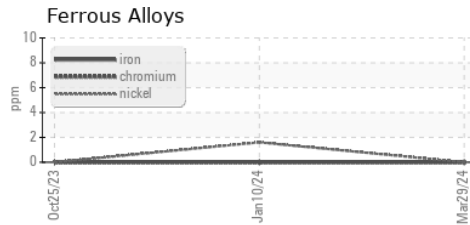
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | NONE |
| Yellow Metal | scalar | *Visual | NONE | NONE | NONE |
| Precipitate | scalar | *Visual | NONE | NONE | NONE |
| 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 |
| Free Water | scalar | *Visual | | NEG | NEG |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 | |
|------------------|--------|------------|---------|-------------|----------|------|
| Visc @ 40°C | cSt | ASTM D445 | 42.8 | 40.2 | 40.5 | 39.7 |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---------|----------|----------|
|---------------|--------|------------|---------|----------|----------|



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCS06138654
Lab Number : **06138654**
Unique Number : 10963462
Test Package : IND 2

Received : 04 Apr 2024
Tested : 05 Apr 2024
Diagnosed : 06 Apr 2024 - Don Baldrige

BLAKE AND PENDLETON

MEMPHIS, TN
 US 38133

Contact: JAY GIANNINI
 JGIANNINI@BLAKEANDPENDLETON.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: