

PROBLEM SUMMARY

Area
PALLUBE 32
Machine Id
1706070005
Component
Compressor

Sample Rating Trend



ADDITIVES



COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

| Sample Status | | | | SEVERE | SEVERE | --- |
|---------------|-----|-------------|-----|--------|--------|-----|
| Barium | ppm | ASTM D5185m | 730 | 0 | 0 | --- |

Customer Id: UCNDSMGRE
Sample No.: UCS06007097
Lab Number: 06007097
Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
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To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

25 Jul 2022 Diag: Angela Borella

ADDITIVES



Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the oil. Barium ppm levels are severely low. The AN level is acceptable for this fluid.

view report



OIL ANALYSIS REPORT

Sample Rating Trend



ADDITIVES



Area
PALLUBE 32
Machine Id
1706070005
Component
Compressor

DIAGNOSIS

Recommendation

The filter change at the time of sampling has been noted. 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

Barium ppm levels are severely low. The AN level is acceptable for this fluid.

| SAMPLE INFORMATION | | method | limit/base | current | history1 | history2 |
|--------------------|-------------|-------------|------------|--------------------|-------------|----------|
| Sample Number | Client Info | | | UCS06007097 | UCS05606805 | --- |
| Sample Date | Client Info | | | 02 Nov 2023 | 25 Jul 2022 | --- |
| Machine Age | hrs | Client Info | | 51189 | 39871 | --- |
| Oil Age | hrs | Client Info | | 3151 | 2388 | --- |
| Oil Changed | Client Info | | | Not Changed | Not Changed | --- |
| Sample Status | | | | SEVERE | SEVERE | --- |

| CONTAMINATION | | method | limit/base | current | history1 | history2 |
|---------------|-----------|--------|------------|------------|----------|----------|
| Water | WC Method | | >0.1 | NEG | NEG | --- |

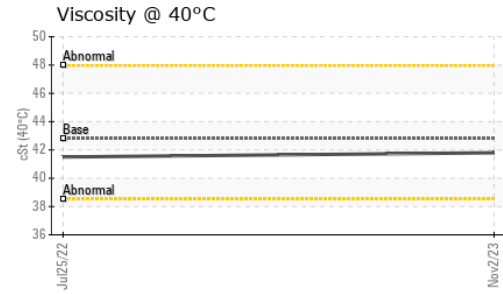
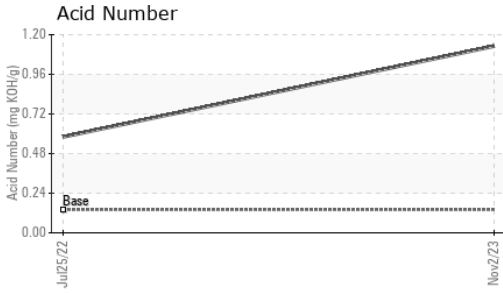
| WEAR METALS | | method | limit/base | current | history1 | history2 |
|-------------|-----|-------------|------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m | >50 | 0 | <1 | --- |
| Chromium | ppm | ASTM D5185m | >10 | <1 | 0 | --- |
| Nickel | ppm | ASTM D5185m | | 0 | <1 | --- |
| Titanium | ppm | ASTM D5185m | | <1 | 0 | --- |
| Silver | ppm | ASTM D5185m | | 0 | <1 | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 1 | 2 | --- |
| Lead | ppm | ASTM D5185m | >25 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185m | >50 | <1 | 1 | --- |
| Tin | ppm | ASTM D5185m | >15 | 0 | 1 | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | 0 | --- |
| Cadmium | ppm | ASTM D5185m | | 0 | 0 | --- |

| ADDITIVES | | method | limit/base | current | history1 | history2 |
|------------|-----|-------------|------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 1 | 0 | <1 | --- |
| Barium | ppm | ASTM D5185m | 730 | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | 0 | --- |
| Manganese | ppm | ASTM D5185m | 0.0 | 0 | 0 | --- |
| Magnesium | ppm | ASTM D5185m | 0 | <1 | 0 | --- |
| Calcium | ppm | ASTM D5185m | 0 | 0 | 0 | --- |
| Phosphorus | ppm | ASTM D5185m | 0 | 459 | 409 | --- |
| Zinc | ppm | ASTM D5185m | 0 | 0 | 0 | --- |
| Sulfur | ppm | ASTM D5185m | 590 | 1022 | 755 | --- |

| CONTAMINANTS | | method | limit/base | current | history1 | history2 |
|--------------|-----|-------------|------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m | >25 | 0 | 0 | --- |
| Sodium | ppm | ASTM D5185m | | <1 | 0 | --- |
| Potassium | ppm | ASTM D5185m | >20 | <1 | 0 | --- |

| FLUID DEGRADATION | | method | limit/base | current | history1 | history2 |
|-------------------|----------|------------|------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.14 | 1.13 | 0.58 | --- |

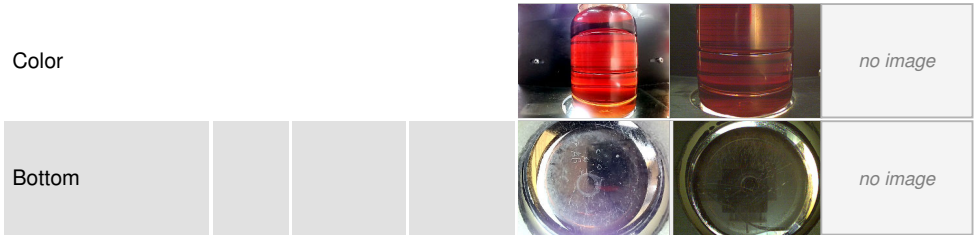
OIL ANALYSIS REPORT



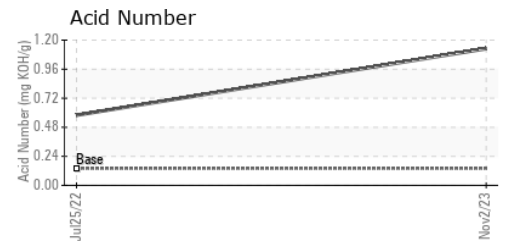
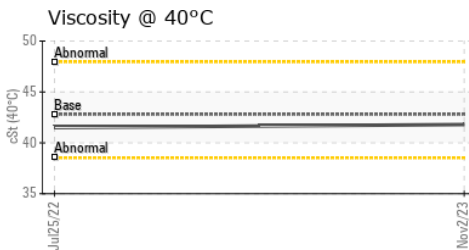
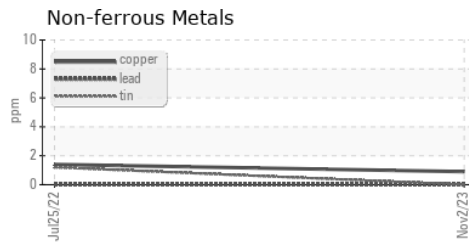
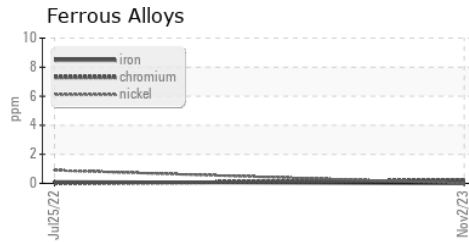
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- |
| Precipitate | scalar | *Visual | NONE | NONE | --- |
| Silt | scalar | *Visual | NONE | NONE | --- |
| Debris | scalar | *Visual | NONE | NONE | --- |
| Sand/Dirt | scalar | *Visual | NONE | NONE | --- |
| Appearance | scalar | *Visual | NORML | NORML | --- |
| Odor | scalar | *Visual | NORML | NORML | --- |
| Emulsified Water | scalar | *Visual | >0.1 | NEG | --- |
| Free Water | scalar | *Visual | | NEG | --- |

| FLUID PROPERTIES | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 42.8 | 41.5 | --- |

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



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCS06007097 **Received** : 14 Nov 2023
Lab Number : 06007097 **Diagnosed** : 20 Nov 2023
Unique Number : 10740859 **Diagnostician** : Angela Borella
Test Package : IND 2

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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