



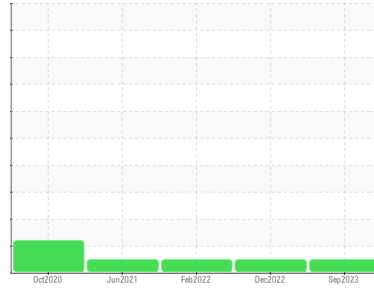
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
CFG-546 [PM6-2507063]
 Machine Id
ATLAS COPCO ITJ040981 - TRUCKEE MEADOWS CHALK BLUFF WTP
 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 | | UCH05966450 | UCH05744716 | UCH05466193 |
| Sample Date | Client Info | | 12 Sep 2023 | 20 Dec 2022 | 10 Feb 2022 |
| Machine Age | hrs | Client Info | 24070 | 22500 | 18250 |
| Oil Age | hrs | Client Info | 8309 | 4250 | 8000 |
| Oil Changed | Client Info | | Changed | Not Changd | Changed |
| Sample Status | | | NORMAL | NORMAL | NORMAL |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|-----------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >50 | <1 | 0 | <1 |
| Chromium | ppm | ASTM D5185m >5 | 0 | 0 | <1 |
| Nickel | ppm | ASTM D5185m | 0 | 0 | <1 |
| Titanium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Silver | ppm | ASTM D5185m | 0 | 0 | <1 |
| Aluminum | ppm | ASTM D5185m >15 | <1 | 0 | <1 |
| Lead | ppm | ASTM D5185m >65 | 0 | 0 | <1 |
| Copper | ppm | ASTM D5185m >65 | <1 | <1 | <1 |
| Tin | ppm | ASTM D5185m >10 | 0 | 0 | <1 |
| Antimony | ppm | ASTM D5185m | --- | --- | <1 |
| Vanadium | ppm | ASTM D5185m | 0 | 0 | 0 |
| Cadmium | ppm | ASTM D5185m | 0 | 0 | 0 |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-----------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m 0 | 0 | 0 | <1 |
| Barium | ppm | ASTM D5185m 0 | 0 | 0 | 5 |
| Molybdenum | ppm | ASTM D5185m 0 | 0 | 0 | 0 |
| Manganese | ppm | ASTM D5185m 0 | 0 | 0 | <1 |
| Magnesium | ppm | ASTM D5185m 1.2 | 0 | 0 | <1 |
| Calcium | ppm | ASTM D5185m 0 | <1 | 0 | 3 |
| Phosphorus | ppm | ASTM D5185m 295 | 408 | 389 | 408 |
| Zinc | ppm | ASTM D5185m 0 | 99 | 64 | 75 |
| Sulfur | ppm | ASTM D5185m 253 | 481 | 460 | 308 |

CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-----------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m >35 | <1 | <1 | 2 |
| Sodium | ppm | ASTM D5185m | 12 | 5 | 6 |
| Potassium | ppm | ASTM D5185m >20 | 1 | 1 | 0 |

FLUID DEGRADATION

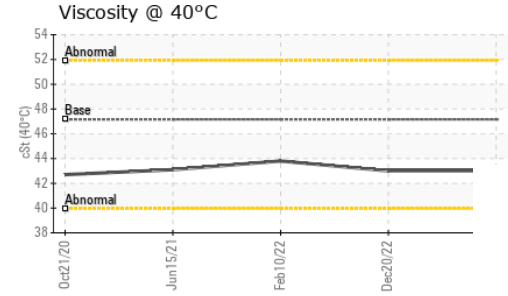
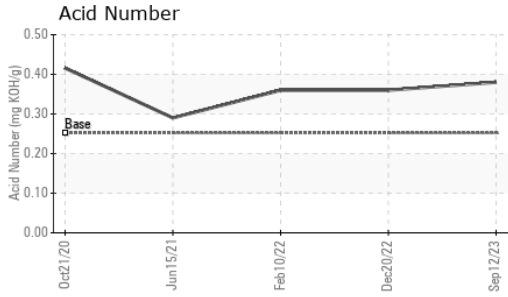
| | method | limit/base | current | history1 | history2 |
|------------------|----------|------------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 0.252 | 0.38 | 0.36 | 0.36 |

VISUAL

| | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|--------------|------------------|----------|
| White Metal | scalar | *Visual NONE | NONE | NONE | VLITE |
| Yellow Metal | scalar | *Visual NONE | NONE | NONE | NONE |
| Precipitate | scalar | *Visual NONE | NONE | NONE | NONE |
| Silt | scalar | *Visual NONE | NONE | NONE | NONE |
| Debris | scalar | *Visual NONE | NONE | NONE | NONE |
| 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 |
| Free Water | scalar | *Visual | NEG | ARR FOR KOVICH - | UCCISSAC |

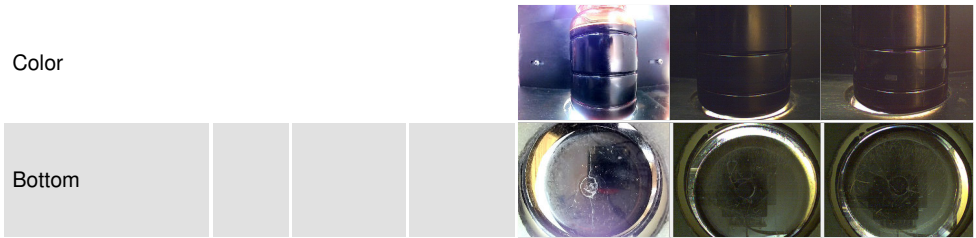


OIL ANALYSIS REPORT

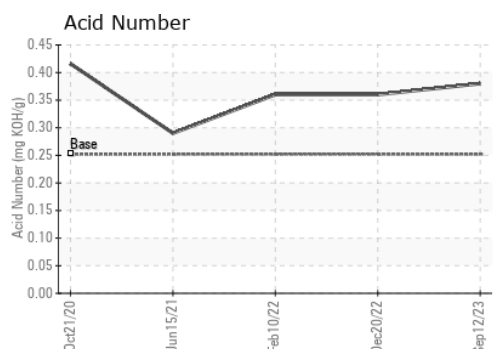
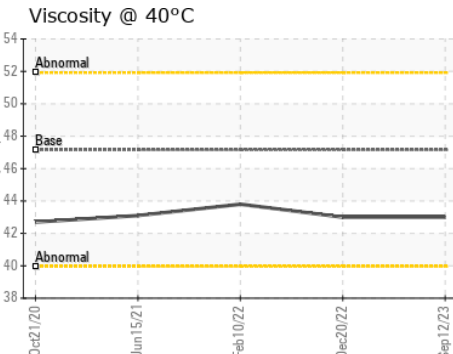
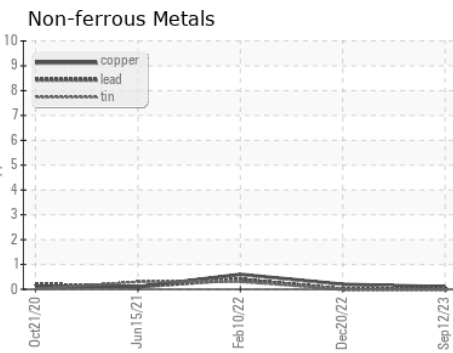
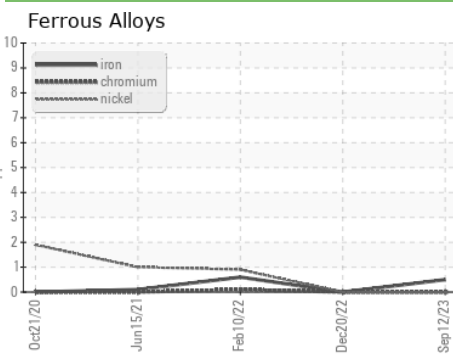


| FLUID PROPERTIES | | method | limit/base | current | history1 | history2 |
|------------------|-----|-----------|------------|-------------|----------|----------|
| Visc @ 40°C | cSt | ASTM D445 | 47.16 | 43.0 | 43.0 | 43.8 |

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



GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH05966450 **Received** : 02 Oct 2023
Lab Number : **05966450** **Diagnosed** : 03 Oct 2023
Unique Number : 10673001 **Diagnostician** : Don Baldrige
Test Package : IND 2

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 214 27TH ST
 SACRAMENTO, CA
 US 95816
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 barryfrkovich@ciscoair.com
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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)