

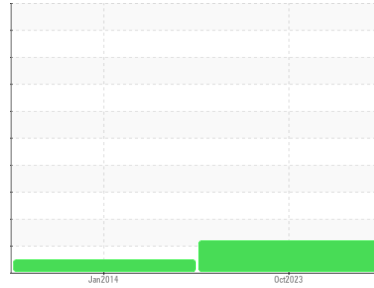


PROBLEM SUMMARY



Area
ATLAS COPCO HD ROTO FLUID [1398326]
 Machine Id
ATLAS COPCO API612-639 - MEGGITT
 Component
Compressor

Sample Rating Trend

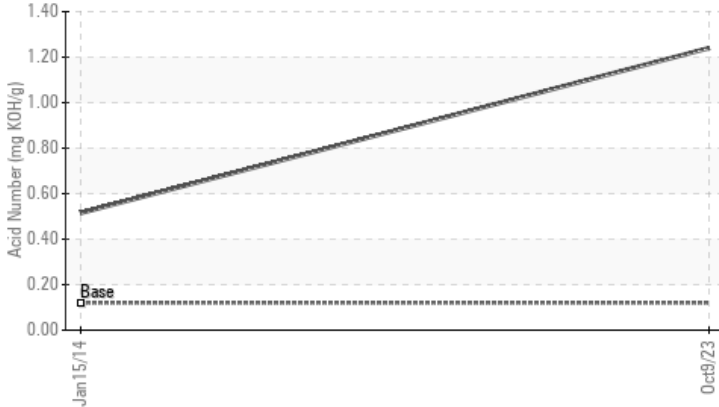


DEGRADATION



COMPONENT CONDITION SUMMARY

▲ Acid Number



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS

| Sample Status | | | | ATTENTION | NORMAL | --- |
|------------------|----------|------------|------|------------------|--------|-----|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.12 | ▲ 1.24 | 0.515 | --- |

Customer Id: UCAIRCLE
 Sample No.: UCH06000590
 Lab Number: 06000590
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

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

RECOMMENDED ACTIONS

| Action | Status | Date | Done By | Description |
|---------------|--------|------|---------|---|
| Change Fluid | --- | --- | ? | Oil and filter change at the time of sampling has been noted. |
| Change Filter | --- | --- | ? | Oil and filter change at the time of sampling has been noted. |

HISTORICAL DIAGNOSIS

15 Jan 2014 Diag: Jonathan Hester

NORMAL



Resample at the next service interval to monitor. All component wear rates are normal. There is no indication of any contamination in the component. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

view report





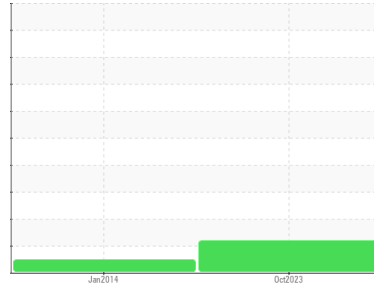
OIL ANALYSIS REPORT

Sample Rating Trend

DEGRADATION



Area
ATLAS COPCO HD ROTO FLUID [1398326]
 Machine Id
ATLAS COPCO API612-639 - MEGGITT
 Component
Compressor



DIAGNOSIS

▲ Recommendation

Oil and 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

The AN level is at the top-end of the recommended limit.

SAMPLE INFORMATION

| | method | limit/base | current | history1 | history2 |
|---------------|-------------|-------------|--------------------|-------------|----------|
| Sample Number | Client Info | | UCH06000590 | UCH03431509 | --- |
| Sample Date | Client Info | | 09 Oct 2023 | 15 Jan 2014 | --- |
| Machine Age | hrs | Client Info | 38622 | 5276 | --- |
| Oil Age | hrs | Client Info | 8000 | 5276 | --- |
| Oil Changed | Client Info | | Changed | N/A | --- |
| Sample Status | | | ATTENTION | NORMAL | --- |

WEAR METALS

| | method | limit/base | current | history1 | history2 |
|----------|--------|-----------------|------------|----------|----------|
| Iron | ppm | ASTM D5185m >50 | 0 | <1 | --- |
| 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 | 4 | 0 | --- |
| Lead | ppm | ASTM D5185m >25 | 0 | 0 | --- |
| Copper | ppm | ASTM D5185m >50 | 0 | <1 | --- |
| Tin | ppm | ASTM D5185m >15 | 0 | 0 | --- |
| Antimony | ppm | ASTM D5185m | --- | <1 | --- |
| Vanadium | ppm | ASTM D5185m | 0 | 0 | --- |
| Cadmium | ppm | ASTM D5185m | 0 | <1 | --- |

ADDITIVES

| | method | limit/base | current | history1 | history2 |
|------------|--------|-----------------|------------|----------|----------|
| Boron | ppm | ASTM D5185m | 0 | 0 | --- |
| Barium | ppm | ASTM D5185m | 0 | 0 | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | 0 | --- |
| Manganese | ppm | ASTM D5185m | 0 | 0 | --- |
| Magnesium | ppm | ASTM D5185m 6 | 0 | 0 | --- |
| Calcium | ppm | ASTM D5185m 750 | 0 | 0 | --- |
| Phosphorus | ppm | ASTM D5185m 60 | 182 | 27 | --- |
| Zinc | ppm | ASTM D5185m 50 | 6 | 52 | --- |
| Sulfur | ppm | ASTM D5185m | 234 | 88 | --- |

CONTAMINANTS

| | method | limit/base | current | history1 | history2 |
|-----------|--------|-----------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m >25 | 0 | 0 | --- |
| Sodium | ppm | ASTM D5185m | 2 | 2 | --- |
| Potassium | ppm | ASTM D5185m >20 | <1 | <1 | --- |

FLUID DEGRADATION

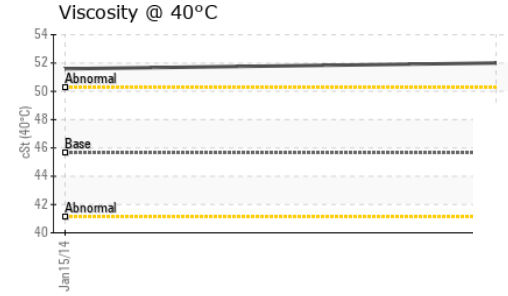
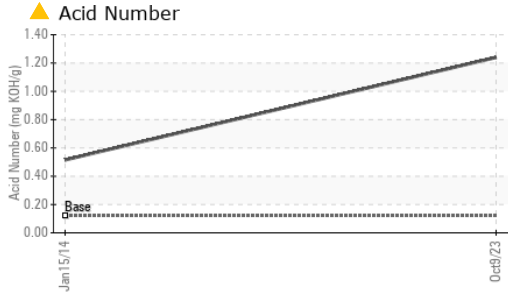
| | method | limit/base | current | history1 | history2 |
|------------------|----------|-----------------|---------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 0.12 | ▲ 1.24 | 0.515 | --- |

VISUAL


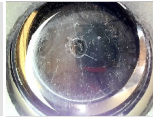
| | method | limit/base | current | history1 | history2 |
|------------------|--------|---------------|--------------|----------|----------|
| White Metal | scalar | *Visual NONE | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual NONE | NONE | NONE | --- |
| Precipitate | scalar | *Visual NONE |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



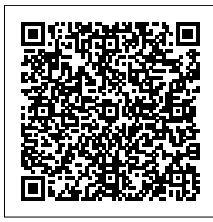
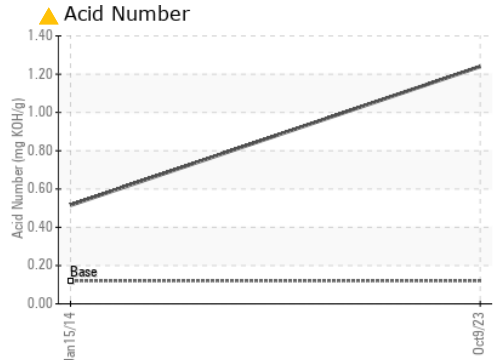
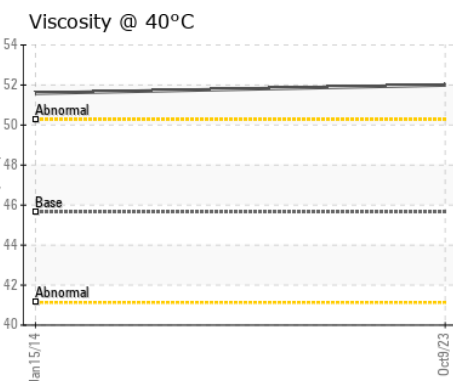
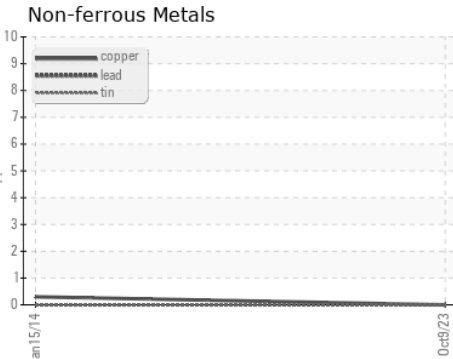
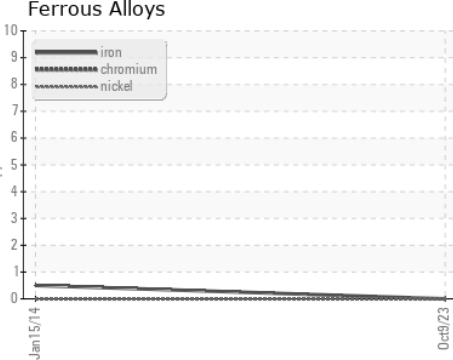
OIL ANALYSIS REPORT



| FLUID PROPERTIES | method | limit/base | current | history1 | history2 | |
|------------------|--------|------------|---------|-------------|----------|-----|
| Visc @ 40°C | cSt | ASTM D445 | 45.65 | 52.0 | 51.59 | --- |

| SAMPLE IMAGES | method | limit/base | current | history1 | history2 |
|---------------|--------|------------|---|----------|----------|
| Color | | |  | no image | no image |
| Bottom | | |  | no image | no image |

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : UCH06000590 **Received** : 07 Nov 2023
Lab Number : **06000590** **Diagnosed** : 09 Nov 2023
Unique Number : 10728950 **Diagnostician** : Don Baldrige
Test Package : IND 2

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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)