



PROBLEM SUMMARY

Sample Rating Trend



ISO



Machine Id
AC-12 (S/N APF152764)
 Component
Air Compressor
 Fluid
ATLAS COPCO ROTO Z FLUID (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

| | | | | | |
|-----------------|--------------|-----------|-------------------|-----|-----|
| Sample Status | | | ABNORMAL | --- | --- |
| Particles >4µm | ASTM D7647 | >10000 | ▲ 27855 | --- | --- |
| Oil Cleanliness | ISO 4406 (c) | >20/18/15 | ▲ 22/17/13 | --- | --- |

Customer Id: KRAWIN
 Sample No.: USPM23960
 Lab Number: 05623075
 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Doug Bogart +1 (800)237-1369 x4016
dougb@wearcheckusa.com

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



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
AC-12 (S/N APF152764)
 Component
Air Compressor
 Fluid
ATLAS COPCO ROTO Z FLUID (--- GAL)

DIAGNOSIS

▲ Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

There is a high amount of silt (particulates < 6 microns in size) present 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 | | USPM23960 | --- | --- |
| Sample Date | Client Info | | 21 Aug 2022 | --- | --- |
| Machine Age | hrs | Client Info | 0 | --- | --- |
| Oil Age | hrs | Client Info | 0 | --- | --- |
| Oil Changed | Client Info | | N/A | --- | --- |
| Sample Status | | | ABNORMAL | --- | --- |

| WEAR METALS | method | limit/base | current | history1 | history2 |
|-------------|--------|-----------------|--------------|----------|----------|
| Iron | ppm | ASTM D5185m >70 | <1 | --- | --- |
| Chromium | ppm | ASTM D5185m >15 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185m >6 | <1 | --- | --- |
| Titanium | ppm | ASTM D5185m | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | <1 | --- | --- |
| Aluminum | ppm | ASTM D5185m >10 | <1 | --- | --- |
| Lead | ppm | ASTM D5185m >20 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m >80 | 0 | --- | --- |
| Tin | ppm | ASTM D5185m >15 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | 0 | --- | --- |
| Cadmium | ppm | ASTM D5185m | 0 | --- | --- |

| ADDITIVES | method | limit/base | current | history1 | history2 |
|------------|--------|-------------|--------------|----------|----------|
| Boron | ppm | ASTM D5185m | 0 | --- | --- |
| Barium | ppm | ASTM D5185m | <1 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | 0 | --- | --- |
| Magnesium | ppm | ASTM D5185m | 0 | --- | --- |
| Calcium | ppm | ASTM D5185m | 0 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | 516 | --- | --- |
| Zinc | ppm | ASTM D5185m | 2 | --- | --- |
| Sulfur | ppm | ASTM D5185m | 681 | --- | --- |

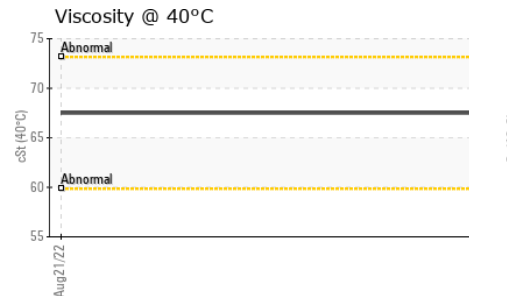
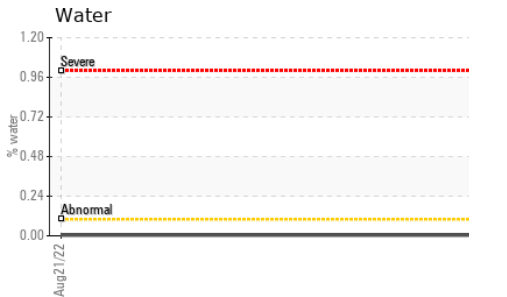
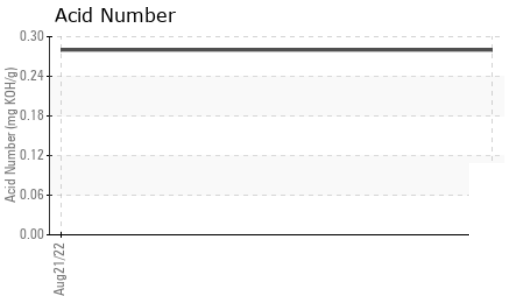
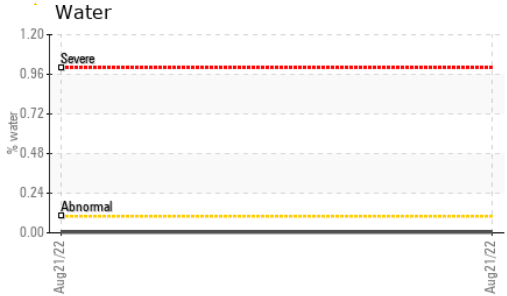
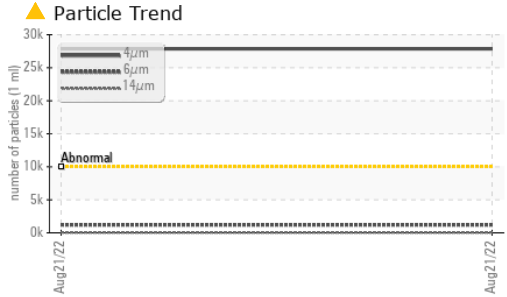
| CONTAMINANTS | method | limit/base | current | history1 | history2 |
|--------------|--------|------------------|--------------|----------|----------|
| Silicon | ppm | ASTM D5185m >12 | 0 | --- | --- |
| Sodium | ppm | ASTM D5185m | <1 | --- | --- |
| Potassium | ppm | ASTM D5185m >20 | 0 | --- | --- |
| Water | % | ASTM D6304 >0.1 | 0.004 | --- | --- |
| ppm Water | ppm | ASTM D6304 >1000 | 44.5 | --- | --- |

| FLUID CLEANLINESS | method | limit/base | current | history1 | history2 |
|-------------------|--------------|------------|-------------------|----------|----------|
| Particles >4µm | ASTM D7647 | >10000 | ▲ 27855 | --- | --- |
| Particles >6µm | ASTM D7647 | >2500 | 1203 | --- | --- |
| Particles >14µm | ASTM D7647 | >320 | 46 | --- | --- |
| Particles >21µm | ASTM D7647 | >80 | 9 | --- | --- |
| Particles >38µm | ASTM D7647 | >20 | 0 | --- | --- |
| Particles >71µm | ASTM D7647 | >4 | 0 | --- | --- |
| Oil Cleanliness | ISO 4406 (c) | >20/18/15 | ▲ 22/17/13 | --- | --- |

| FLUID DEGRADATION | method | limit/base | current | history1 | history2 |
|-------------------|----------|------------|-------------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.28 | --- | --- |



OIL ANALYSIS REPORT



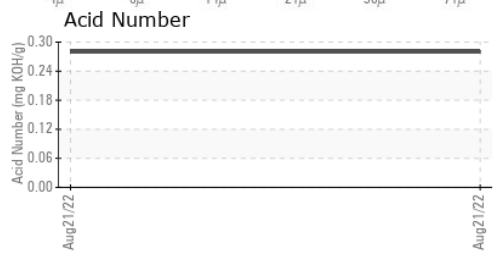
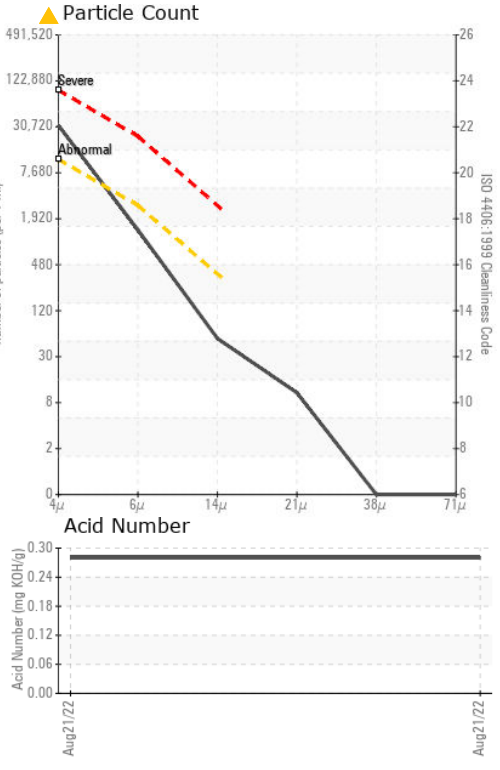
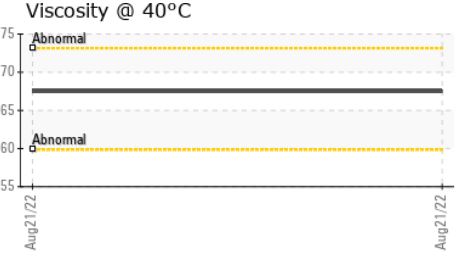
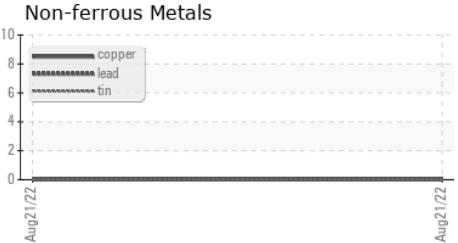
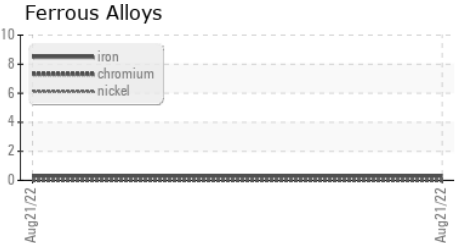
| VISUAL | method | limit/base | current | history1 | history2 |
|------------------|--------|------------|---------|----------|----------|
| White Metal | scalar | *Visual | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- |
| Precipitate | scalar | *Visual | NONE | NONE | --- |
| 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 | 67.5 | --- | --- |

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

| | | | | | |
|--------|--|--|---|----------|----------|
| Color | | |  | no image | no image |
| Bottom | | |  | no image | no image |

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : USPM23960 **Received** : 22 Aug 2022
Lab Number : 05623075 **Diagnosed** : 23 Aug 2022
Unique Number : 10102582 **Diagnostician** : Doug Bogart
Test Package : IND 2

KraftHeinz - Winchester - Plant 8342
 220 Park Center Drive
 Winchester, VA
 US 22603
 Contact: Wayne Griffith
 gewdg00@kraftheinz.com
 T:
 F:

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)