



PROBLEM SUMMARY

Sample Rating Trend



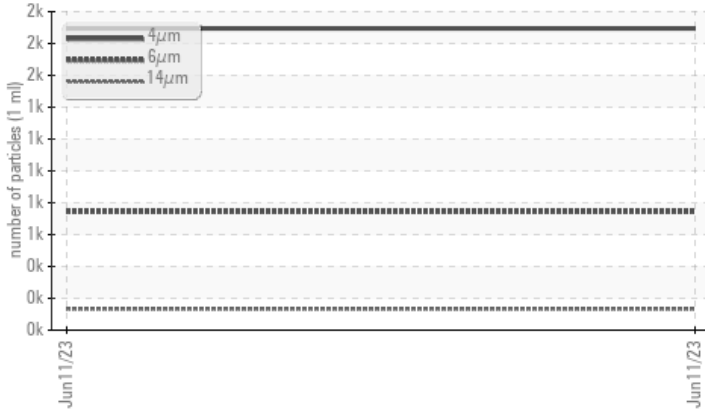
ISO



Machine Id
NOT GIVEN KCPA005491 (S/N NO INFO ON SIF/BOTTLE)
 Component
Compressor
 Fluid
NOT GIVEN (--- GAL)

COMPONENT CONDITION SUMMARY

▲ Particle Trend



RECOMMENDATION

No corrective action is recommended at this time.
 Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

| Sample Status | | | ATTENTION | --- | --- |
|-----------------|--------------|-----------|------------|-----|-----|
| Particles >14µm | ASTM D7647 | >80 | ▲ 133 | --- | --- |
| Particles >21µm | ASTM D7647 | >20 | ▲ 33 | --- | --- |
| Oil Cleanliness | ISO 4406 (c) | >--/17/13 | ▲ 18/17/14 | --- | --- |

Customer Id: KAEFRE
 Sample No.: KCPA005491
 Lab Number: 05870965
 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

There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Machine Id
NOT GIVEN KCPA005491 (S/N NO INFO ON SIF/BOTTLE)

Component
Compressor
Fluid
NOT GIVEN (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is a moderate amount of particulates 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 | history 1 | history 2 |
|---------------|-------------|--------------------|-----------|-----------|
| Sample Number | Client Info | KCPA005491 | --- | --- |
| Sample Date | Client Info | 11 Jun 2023 | --- | --- |
| Machine Age | hrs | Client Info | 0 | --- |
| Oil Age | hrs | Client Info | 0 | --- |
| Oil Changed | Client Info | N/A | --- | --- |
| Sample Status | | ATTENTION | --- | --- |

WEAR METALS

| method | limit/base | current | history 1 | history 2 | | |
|----------|------------|-------------|-----------|--------------|-----|-----|
| Iron | ppm | ASTM D5185m | >50 | <1 | --- | --- |
| Chromium | ppm | ASTM D5185m | >10 | 0 | --- | --- |
| Nickel | ppm | ASTM D5185m | | 0 | --- | --- |
| Titanium | ppm | ASTM D5185m | | 0 | --- | --- |
| Silver | ppm | ASTM D5185m | | 0 | --- | --- |
| Aluminum | ppm | ASTM D5185m | >25 | 0 | --- | --- |
| Lead | ppm | ASTM D5185m | >25 | 0 | --- | --- |
| Copper | ppm | ASTM D5185m | >50 | 5 | --- | --- |
| Tin | ppm | ASTM D5185m | >15 | 0 | --- | --- |
| Vanadium | ppm | ASTM D5185m | | 0 | --- | --- |
| Cadmium | ppm | ASTM D5185m | | 0 | --- | --- |

ADDITIVES

| method | limit/base | current | history 1 | history 2 | | |
|------------|------------|-------------|-----------|--------------|-----|-----|
| Boron | ppm | ASTM D5185m | | 0 | --- | --- |
| Barium | ppm | ASTM D5185m | | 0 | --- | --- |
| Molybdenum | ppm | ASTM D5185m | | 0 | --- | --- |
| Manganese | ppm | ASTM D5185m | | <1 | --- | --- |
| Magnesium | ppm | ASTM D5185m | | 0 | --- | --- |
| Calcium | ppm | ASTM D5185m | | 0 | --- | --- |
| Phosphorus | ppm | ASTM D5185m | | 10 | --- | --- |
| Zinc | ppm | ASTM D5185m | | 0 | --- | --- |
| Sulfur | ppm | ASTM D5185m | | 21324 | --- | --- |

CONTAMINANTS

| method | limit/base | current | history 1 | history 2 | | |
|-----------|------------|-------------|-----------|--------------|-----|-----|
| Silicon | ppm | ASTM D5185m | >25 | 0 | --- | --- |
| Sodium | ppm | ASTM D5185m | | <1 | --- | --- |
| Potassium | ppm | ASTM D5185m | >20 | <1 | --- | --- |
| Water | % | ASTM D6304 | >0.1 | 0.007 | --- | --- |
| ppm Water | ppm | ASTM D6304 | >1000 | 71.4 | --- | --- |

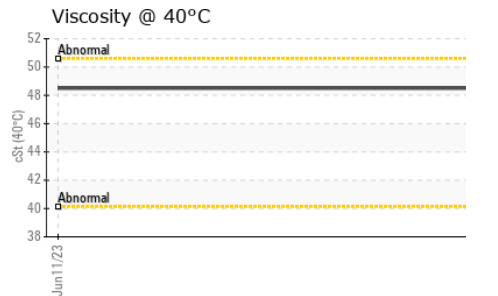
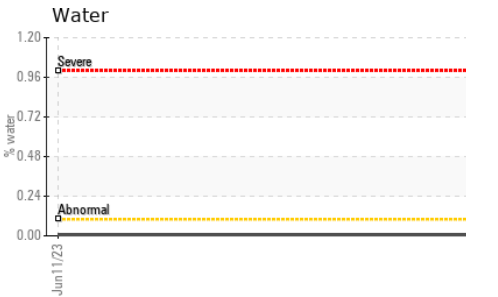
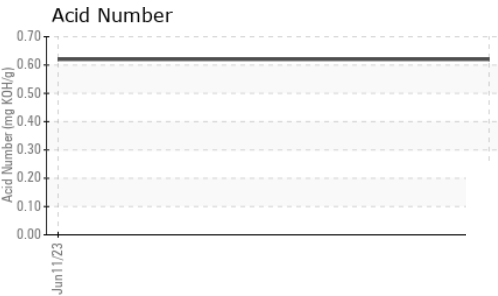
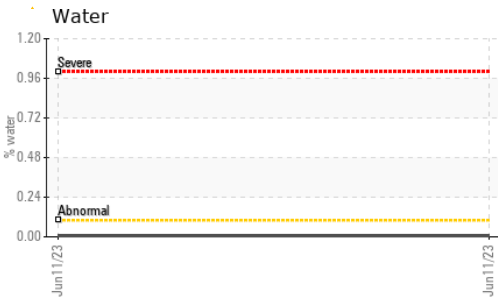
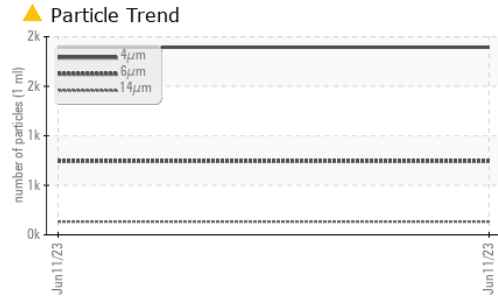
FLUID CLEANLINESS

| method | limit/base | current | history 1 | history 2 | | |
|-----------------|--------------|-----------|-----------|-------------------|-----|-----|
| Particles >4µm | ASTM D7647 | | | 1894 | --- | --- |
| Particles >6µm | ASTM D7647 | >1300 | | 744 | --- | --- |
| Particles >14µm | ASTM D7647 | >80 | | ▲ 133 | --- | --- |
| Particles >21µm | ASTM D7647 | >20 | | ▲ 33 | --- | --- |
| Particles >38µm | ASTM D7647 | >4 | | 2 | --- | --- |
| Particles >71µm | ASTM D7647 | >3 | | 0 | --- | --- |
| Oil Cleanliness | ISO 4406 (c) | >--/17/13 | | ▲ 18/17/14 | --- | --- |

FLUID DEGRADATION

| method | limit/base | current | history 1 | history 2 | | |
|------------------|------------|------------|-----------|-------------|-----|-----|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | | 0.62 | --- | --- |

OIL ANALYSIS REPORT



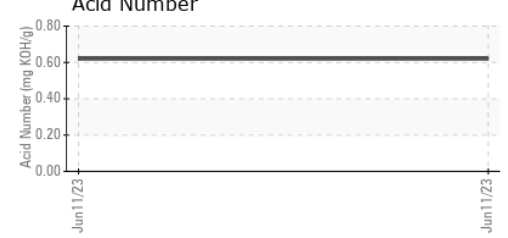
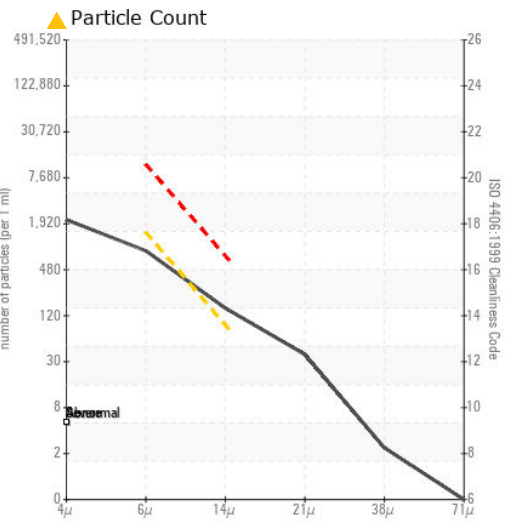
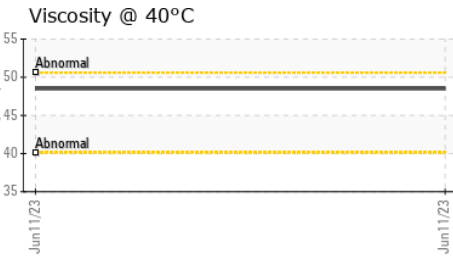
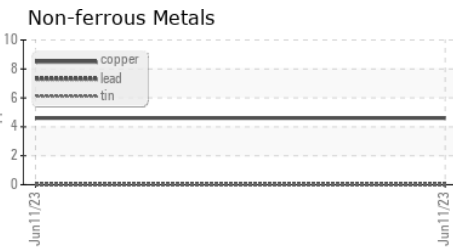
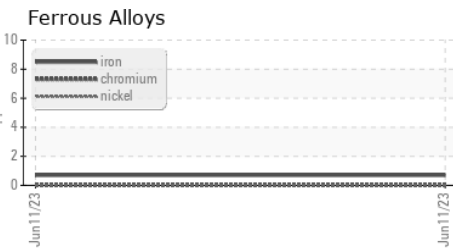
| VISUAL | method | limit/base | current | history 1 | history 2 |
|------------------|--------|------------|---------|-----------|-----------|
| White Metal | scalar | *Visual | NONE | NONE | --- |
| Yellow Metal | scalar | *Visual | NONE | NONE | --- |
| Precipitate | scalar | *Visual | NONE | NONE | --- |
| 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 | history 1 | history 2 |
|------------------|--------|------------|---------|-----------|-----------|
| Visc @ 40°C | cSt | ASTM D445 | 48.5 | --- | --- |

| SAMPLE IMAGES | method | limit/base | current | history 1 | history 2 |
|---------------|--------|------------|---------|-----------|-----------|
|---------------|--------|------------|---------|-----------|-----------|

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : KCPA005491 **Received** : 12 Jun 2023
Lab Number : 05870965 **Diagnosed** : 14 Jun 2023
Unique Number : 10510749 **Diagnostician** : Don Baldrige
Test Package : IND 2 (Additional Tests: KF, PrtCount)

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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)