

## **PROBLEM SUMMARY**

Sample Rating Trend

WATER

Machine Id

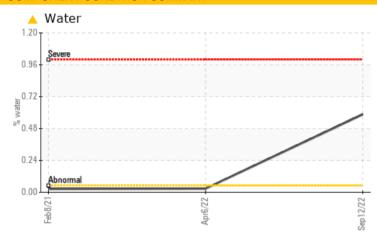
# KAESER AIRTOWER 7.5C 7208721 (S/N 1058)

Component

Compressor

KAESER SIGMA (OEM) S-460 (--- GAL)

## **COMPONENT CONDITION SUMMARY**



## RECOMMENDATION

We recommend you service the filters on this component. We were unable to perform a particle count due to a high concentration of particles present in this sample. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition.

| PROBLEMATIC TEST RESULTS |        |            |       |                |          |          |  |  |
|--------------------------|--------|------------|-------|----------------|----------|----------|--|--|
| Sample Status            |        |            |       | ABNORMAL       | ABNORMAL | ABNORMAL |  |  |
| Water                    | %      | ASTM D6304 | >0.05 | <b>△</b> 0.586 | 0.027    | 0.025    |  |  |
| ppm Water                | ppm    | ASTM D6304 | >500  | <b>5860</b>    | 270.9    | 258.6    |  |  |
| Debris                   | scalar | *Visual    | NONE  | ▲ MODER        | NONE     | NONE     |  |  |
| Appearance               | scalar | *Visual    | NORML | ▲ HAZY         | NORML    | NORML    |  |  |
| Free Water               | scalar | *Visual    |       | <b>1.0</b>     | NEG      | NEG      |  |  |

Customer Id: HELMEL Sample No.: KC96724 Lab Number: 05646560 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

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 Filter |        |      | ?       | We recommend you service the filters on this component.   |
| Alert         |        |      | ?       | We were unable to perform a particle count due to a high concentration of particles present in this sample. |

## HISTORICAL DIAGNOSIS

## 06 Apr 2022 Diag: Doug Bogart





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 a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



## 08 Feb 2021 Diag: Jonathan Hester

ISO



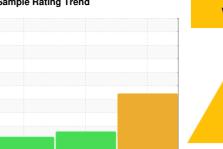
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.





## **OIL ANALYSIS REPORT**

Sample Rating Trend



**WATER** 

# KAESER AIRTOWER 7.5C 7208721 (S/N 1058)

Compressor

KAESER SIGMA (OEM) S-460 (--- GAL)

## **DIAGNOSIS**

#### Recommendation

We recommend you service the filters on this component. We were unable to perform a particle count due to a high concentration of particles present in this sample. We advise that you stop the unit and follow the water drain-off procedure for this component. We recommend an early resample in 500 hours to monitor this condition.

All component wear rates are normal.

## Contamination

Appearance is hazy. Free water present. There is a moderate concentration of water present in the oil. Moderate concentration of visible dirt/debris present in the oil.

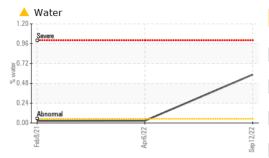
#### **Fluid Condition**

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

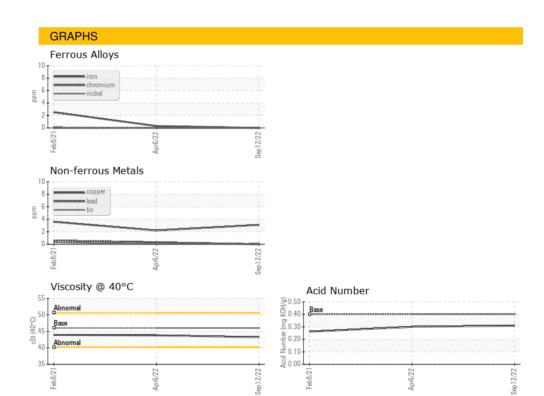
| Sample Number   Sample Date   12 Sep 2022   06 Apr 2022   08 Feb 202  |                  |          | Fel          | 2021       | Apr2022 Sep20  | 122           |                |
|---|------------------|----------|--------------|------------|----------------|---------------|----------------|
| 12 Sep 2022   06 Apr 2022   08 Feb 202  | SAMPLE INFORM    | MATION   | method       | limit/base | current        | history 1     | history 2      |
| Machine Age   hrs   | Sample Number    |          |              |            | KC96724        | KC98795       | KC90447        |
| Dil Age   | Sample Date      |          |              |            | 12 Sep 2022    | 06 Apr 2022   | 08 Feb 2021    |
| Not Changed Sample Status   | Machine Age      | hrs      |              |            | 486            | 403           | 194            |
| MEAR METALS         method         limit/base         current         history 1         ABNORMAL           Iron         ppm         ASTM D5185m         >50         0         <1  | Oil Age          | hrs      |              |            | 82             | 211           | 194            |
| WEAR METALS         method         limit/base         current         history 1         history 3           Iron         ppm         ASTM D5185m         >50         0         <1   | Oil Changed      |          |              |            | Not Changd     | Changed       | Changed        |
| Port   Port | Sample Status    |          |              |            | ABNORMAL       | ABNORMAL      | ABNORMAL       |
| Chromium         ppm         ASTM D5185m         >10         0         0         0           Nickel         ppm         ASTM D5185m         >3         0         0         <1   | WEAR METALS      |          | method       | limit/base | current        | history 1     | history 2      |
| Nickel ppm ASTM D5185m >3 0 0 0 <1 Titanium ppm ASTM D5185m >3 0 0 0 0 Silver ppm ASTM D5185m >2 0 0 0 <1 Aluminum ppm ASTM D5185m >2 0 0 0 <1 Aluminum ppm ASTM D5185m >10 0 <1 0 Lead ppm ASTM D5185m >10 0 <1 <1 <1 Copper ppm ASTM D5185m >10 0 <1 <1 <1 Copper ppm ASTM D5185m >10 <1 0 <1 Antimony ppm ASTM D5185m >10 <1 0 <1 Antimony ppm ASTM D5185m 0 0 0 0 AANT D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 ADDITIVES method limit/base current history 1 history 3 Barium ppm ASTM D5185m 0 0 0 0 0 ADDITIVES method limit/base current history 1 history 3 Barium ppm ASTM D5185m 0 0 0 0 0 Cadmium ppm ASTM D5185m 0 0 0 0 0 ADDITIVES method limit/base current history 1 history 3 Calcium ppm ASTM D5185m 0 0 0 0 0 Calcium ppm ASTM D5185m 0 0 0 0 0 Calcium ppm ASTM D5185m 0 0 0 0 0 Calcium ppm ASTM D5185m 0 0 0 0 0 Calcium ppm ASTM D5185m 2 41 0 <1 0 <1 Contamina ppm ASTM D5185m 2 41 0 <1 Contamina ppm ASTM D5185m 2 41 0 0 <1 Contamina ppm ASTM D5185m 2 3 1 0 0 <1 Contamina ppm ASTM D5185m 2 3 1 0 0 <1 Contamina ppm ASTM D5185m 2 2 1 0 0 <1 Contamina ppm ASTM D5185m 2 2 1 0 0 <1 Contamina ppm ASTM D5185m 2 2 1 0 0 <1 Contamina ppm ASTM D5185m 2 2 1 0 0 <1 Contamina ppm ASTM D5185m 2 2 1 0 0 <1 Contamina ppm ASTM D5185m 2 2 1 0 0 <1 Contamina ppm ASTM D5185m 2 2 1 0 0 <1 Contamina ppm ASTM D5185m 2 2 1 0 0 <1 Contamina ppm ASTM D5185m 2 2 1 0 0 <1 Contamina ppm ASTM D5185m 2 2 1 0 0 <1 Contamina ppm ASTM D5185m 2 2 1 0 0 <1 Contamina ppm ASTM D5185m 2 2 1 0 0 <1 Contamina ppm ASTM D5185m 2 2 1 0 0 <1 Contamina ppm ASTM D5185m 2 2 1 0 0 <1 Contamina ppm ASTM D5185m 2 2 1 0 0 <1 Contamina ppm ASTM D5185m 2 2 1 0 0 <1 Contamina ppm ASTM D5185m 2 2 1 0 0 <1 Contamina ppm ASTM D5185m 2 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | Iron             | ppm      | ASTM D5185m  | >50        | 0              | <1            | 2              |
| Description   | Chromium         | ppm      | ASTM D5185m  | >10        | 0              | 0             | 0              |
| Silver  | Nickel           | ppm      | ASTM D5185m  | >3         | 0              | 0             | <1             |
| Aluminum ppm ASTM D5185m >10 0 <1 0 <1 0 <1 0 <1 0 <1 0 <1 0 <1   | Titanium         | ppm      | ASTM D5185m  | >3         | 0              | 0             | 0              |
| Lead         ppm         ASTM D5185m         >10         0         <1         <1           Copper         ppm         ASTM D5185m         >50         3         2         4           Tin         ppm         ASTM D5185m         >10         <1         0         <1           Antimony         ppm         ASTM D5185m         ——         ——         ——         0           Vanadium         ppm         ASTM D5185m         0         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0         0           Boron         ppm         ASTM D5185m         0         0         0         <1           Barium         ppm         ASTM D5185m         90         0         0         0         <1           Barium         ppm         ASTM D5185m         90         0         0         0         0           Magnesium         ppm         ASTM D5185m         90         25         50         36           Calcium         ppm         ASTM D5185m         2         <1         0         <1         <1           Phosphorus         ppm         ASTM D5185m  | Silver           | ppm      | ASTM D5185m  | >2         | 0              | 0             | <1             |
| Copper         ppm         ASTM D5185m         >50         3         2         4           Tin         ppm         ASTM D5185m         >10         <1   | Aluminum         | ppm      | ASTM D5185m  | >10        | 0              | <1            | 0              |
| Trin  | Lead             | ppm      | ASTM D5185m  | >10        | 0              | <1            | <1             |
| Antimony  | Copper           | ppm      | ASTM D5185m  | >50        | 3              | 2             | 4              |
| Vanadium         ppm         ASTM D5185m         0         0         0           Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history 1         history 2           Boron         ppm         ASTM D5185m         0         0         0         <1           Barium         ppm         ASTM D5185m         90         0         0         0         0           Molybdenum         ppm         ASTM D5185m         90         0         0         0         0           Magnesium         ppm         ASTM D5185m         0         25         50         36           Calcium         ppm         ASTM D5185m         2         <1         0         <1           Phosphorus         ppm         ASTM D5185m         2         7         9            Zinc         ppm         ASTM D5185m         2         7         9            Zinc         ppm         ASTM D5185m         2         7         8         10           CONTAMINANTS         method         limit/base         current         history 1   | Tin              | ppm      | ASTM D5185m  | >10        | <1             | 0             | <1             |
| Cadmium         ppm         ASTM D5185m         0         0         0           ADDITIVES         method         limit/base         current         history 1         history 3           Boron         ppm         ASTM D5185m         0         0         <1           Barium         ppm         ASTM D5185m         90         0         0         0           Molybdenum         ppm         ASTM D5185m         0         0         0         0           Manganese         ppm         ASTM D5185m         90         25         50         36           Calcium         ppm         ASTM D5185m         90         25         50         36           Calcium         ppm         ASTM D5185m         2         <1         0         <1           Phosphorus         ppm         ASTM D5185m         2         <1         0         <1           Phosphorus         ppm         ASTM D5185m         2         <1         0         <1           Silicon         ppm         ASTM D5185m         2         0         <1         <1           Potassium         ppm         ASTM D5185m         20         0         <1         <1  | Antimony         | ppm      | ASTM D5185m  |            |                |               | 0              |
| ADDITIVES   | Vanadium         | ppm      | ASTM D5185m  |            | 0              | 0             | 0              |
| Boron   ppm   ASTM D5185m   0   0   0   0   0   0   0   0   0   | Cadmium          | ppm      | ASTM D5185m  |            | 0              | 0             | 0              |
| Barium ppm ASTM D5185m 90 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | ADDITIVES        |          | method       | limit/base | current        | history 1     | history 2      |
| Molybdenum         ppm         ASTM D5185m         0         0         0           Manganese         ppm         ASTM D5185m         <1         <1         <1           Magnesium         ppm         ASTM D5185m         90         25         50         36           Calcium         ppm         ASTM D5185m         2         <1         0         <1           Phosphorus         ppm         ASTM D5185m         2         7         9           Zinc         ppm         ASTM D5185m         2         7         9           Zinc         ppm         ASTM D5185m         2         7         8         10           CONTAMINANTS         method         limit/base         current         history 1         history 3           Silicon         ppm         ASTM D5185m         25         0         <1         <1           CONTAMINANTS         method         limit/base         current         history 1         history 3           Silicon         ppm         ASTM D5185m         25         0         <1         <1           CONTAMINANTS         method         limit/base         current         history 1         history 3           Silicon  | Boron            | ppm      | ASTM D5185m  |            | 0              | 0             | <1             |
| Manganese         ppm         ASTM D5185m         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1         <1 </td <td>Barium</td> <td>ppm</td> <td>ASTM D5185m</td> <td>90</td> <td>0</td> <td>0</td> <td>0</td>   | Barium           | ppm      | ASTM D5185m  | 90         | 0              | 0             | 0              |
| Magnesium         ppm         ASTM D5185m         90         25         50         36           Calcium         ppm         ASTM D5185m         2         <1         0         <1           Phosphorus         ppm         ASTM D5185m         2         7         9           Zinc         ppm         ASTM D5185m         7         8         10           CONTAMINANTS         method         limit/base         current         history 1         history 3           Silicon         ppm         ASTM D5185m         >25         0         <1  | Molybdenum       | ppm      | ASTM D5185m  |            | 0              | 0             | 0              |
| Calcium         ppm         ASTM D5185m         2         <1         0         <1           Phosphorus         ppm         ASTM D5185m         2         7         9           Zinc         ppm         ASTM D5185m         7         8         10           CONTAMINANTS         method         limit/base         current         history 1         history 3           Silicon         ppm         ASTM D5185m         >25         0         <1  | Manganese        | ppm      | ASTM D5185m  |            | <1             | <1            | <1             |
| Phosphorus         ppm         ASTM D5185m         2         7         9           Zinc         ppm         ASTM D5185m         7         8         10           CONTAMINANTS         method         limit/base         current         history 1         history 3           Silicon         ppm         ASTM D5185m         >25         0         <1  | Magnesium        | ppm      | ASTM D5185m  | 90         | 25             | 50            | 36             |
| Zinc         ppm         ASTM D5185m         7         8         10           CONTAMINANTS         method         limit/base         current         history 1         history 3           Silicon         ppm         ASTM D5185m         >25         0         <1         <1           Sodium         ppm         ASTM D5185m         >20         0         2         3           Water         %         ASTM D6304         >0.05         ▲ 0.586         0.027         0.025           ppm Water         ppm         ASTM D6304         >500         ▲ 5860         270.9         258.6           FLUID CLEANLINESS         method         limit/base         current         history 1         history 3           Particles >4µm         ASTM D7647          14086         109931           Particles >6µm         ASTM D7647         >1300          46145         25153           Particles >21µm         ASTM D7647         >80          454         511           Particles >21µm         ASTM D7647         >4          54         75           Particles >71µm         ASTM D7647         >3          5         2  | Calcium          | ppm      | ASTM D5185m  | 2          | <1             | 0             | <1             |
| CONTAMINANTS         method         limit/base         current         history 1         history 3           Silicon         ppm         ASTM D5185m         >25         0         <1   | Phosphorus       | ppm      | ASTM D5185m  |            | 2              | 7             | 9              |
| Silicon ppm ASTM D5185m >25   | Zinc             | ppm      | ASTM D5185m  |            | 7              | 8             | 10             |
| Sodium  | CONTAMINANTS     |          | method       | limit/base | current        | history 1     | history 2      |
| Potassium         ppm         ASTM D5185m         >20         0         2         3           Water         %         ASTM D6304         >0.05         ▲ 0.586         0.027         0.025           opm Water         ppm         ASTM D6304         >500         ▲ 5860         270.9         258.6           FLUID CLEANLINESS         method         limit/base         current         history 1         history 2           Particles >4μm         ASTM D7647         >1300          ▲ 6145         ▲ 25153           Particles >14μm         ASTM D7647         >80          ▲ 226         ▲ 511           Particles >21μm         ASTM D7647         >20          ▲ 54         ▲ 75           Particles >38μm         ASTM D7647         >3          ▲ 5         2           Particles >71μm         ASTM D7647         >3          ▲ 5         2           Particles >71μm         ASTM D7647         >3          ▲ 20/15         ▲ 22/16           FLUID DEGRADATION         method         limit/base         current         history 1         history 2  | Silicon          | ppm      | ASTM D5185m  | >25        | 0              | <1            | <1             |
| Water         %         ASTM D6304         >0.05         ▲ 0.586         0.027         0.025           opm Water         ppm         ASTM D6304         >500         ▲ 5860         270.9         258.6           FLUID CLEANLINESS         method         limit/base         current         history 1         history 3           Particles >4μm         ASTM D7647          14086         109931           Particles >6μm         ASTM D7647         >80          Δ 6145         Δ 25153           Particles >14μm         ASTM D7647         >80          Δ 226         Δ 511           Particles >21μm         ASTM D7647         >20          Δ 54         Δ 75           Particles >38μm         ASTM D7647         >3          Δ 5         2           Particles >71μm         ASTM D7647         >3          Δ 0         0           Dil Cleanliness         ISO 4406 (c)         >/17/13          Δ 20/15         Δ 22/16           FLUID DEGRADATION         method         limit/base         current         history 1         history 2   | Sodium           | ppm      | ASTM D5185m  |            | 4              | 14            | 16             |
| Section         ASTM D6304         >500         ▲ 5860         270.9         258.6           FLUID CLEANLINESS         method         limit/base         current         history 1         history 3           Particles >4μm         ASTM D7647          14086         109931           Particles >6μm         ASTM D7647         >1300          ▲ 6145         ▲ 25153           Particles >14μm         ASTM D7647         >80          ▲ 226         ▲ 511           Particles >21μm         ASTM D7647         >20          ▲ 54         ▲ 75           Particles >38μm         ASTM D7647         >4          ▲ 5         2           Particles >71μm         ASTM D7647         >3          0         0           Oil Cleanliness         ISO 4406 (c)         >/17/13          ▲ 20/15         ▲ 22/16           FLUID DEGRADATION         method         limit/base         current         history 1         history 2  | Potassium        | ppm      | ASTM D5185m  | >20        | 0              | 2             | 3              |
| FLUID CLEANLINESS         method         limit/base         current         history 1         history 3           Particles >4μm         ASTM D7647          14086         109931           Particles >6μm         ASTM D7647         >1300          Δ 6145         Δ 25153           Particles >14μm         ASTM D7647         >80          Δ 226         Δ 511           Particles >21μm         ASTM D7647         >20          Δ 54         Δ 75           Particles >38μm         ASTM D7647         >4          Δ 5         2           Particles >71μm         ASTM D7647         >3          0         0           Oil Cleanliness         ISO 4406 (c)         >/17/13          Δ 20/15         Δ 22/16           FLUID DEGRADATION         method         limit/base         current         history 1         history 1   | Water            | %        | ASTM D6304   | >0.05      | <b>△</b> 0.586 | 0.027         | 0.025          |
| Particles >4µm  | opm Water        | ppm      | ASTM D6304   | >500       | <b>△</b> 5860  | 270.9         | 258.6          |
| Particles >6μm       ASTM D7647       >1300        Δ 6145       Δ 25153         Particles >14μm       ASTM D7647       >80        Δ 226       Δ 511         Particles >21μm       ASTM D7647       >20        Δ 54       Δ 75         Particles >38μm       ASTM D7647       >4        Δ 5       2         Particles >71μm       ASTM D7647       >3        0       0         Dil Cleanliness       ISO 4406 (c)       >/17/13        Δ 20/15       Δ 22/16         FLUID DEGRADATION       method       limit/base       current       history 1       history 2   | FLUID CLEANLIN   | IESS     | method       | limit/base | current        | history 1     | history 2      |
| Particles >14μm       ASTM D7647       >80        Δ 226       Δ 511         Particles >21μm       ASTM D7647       >20        Δ 54       Δ 75         Particles >38μm       ASTM D7647       >4        Δ 5       2         Particles >71μm       ASTM D7647       >3        0       0         Dil Cleanliness       ISO 4406 (c)       >/17/13        Δ 20/15       Δ 22/16         FLUID DEGRADATION       method       limit/base       current       history 1       history 2   | Particles >4μm   |          | ASTM D7647   |            |                | 14086         | 109931         |
| Particles >21μm         ASTM D7647         >20          Δ 54         Δ 75           Particles >38μm         ASTM D7647         >4          Δ 5         2           Particles >71μm         ASTM D7647         >3          0         0           Oil Cleanliness         ISO 4406 (c)         >/17/13          Δ 20/15         Δ 22/16           FLUID DEGRADATION         method         limit/base         current         history 1         history 2   | Particles >6µm   |          | ASTM D7647   | >1300      |                | <b>△</b> 6145 | <u>△</u> 25153 |
| Particles >38μm         ASTM D7647         >4          Δ         5         2           Particles >71μm         ASTM D7647         >3          0         0           Oil Cleanliness         ISO 4406 (c)         >/17/13          Δ         20/15         Δ         22/16           FLUID DEGRADATION         method         limit/base         current         history 1         history 2   | Particles >14μm  |          | ASTM D7647   | >80        |                | <b>△</b> 226  | <u></u> 511    |
| Particles >71μm         ASTM D7647         >3          0         0           Oil Cleanliness         ISO 4406 (c)         >/17/13          Δ 20/15         Δ 22/16           FLUID DEGRADATION         method         limit/base         current         history 1         history 2  | Particles >21µm  |          | ASTM D7647   | >20        |                | <u>▲</u> 54   | <u></u> 75     |
| Oil Cleanliness ISO 4406 (c) >/17/13 \$\textrm\$ 20/15 \$\textrm\$ 22/16  FLUID DEGRADATION method limit/base current history 1 history 2   | Particles >38μm  |          |              |            |                | <u> </u>      | 2              |
| FLUID DEGRADATION method limit/base current history 1 history 1   | Particles >71µm  |          | ASTM D7647   | >3         |                | 0             | 0              |
|   | Oil Cleanliness  |          | ISO 4406 (c) | >/17/13    |                | <b>2</b> 0/15 | <u>^</u> 22/16 |
| Acid Number (AN)         mg KOH/g         ASTM D8045         0.4         0.31         0.30         0.262  | FLUID DEGRADA    | TION     | method       | limit/base | current        | history 1     | history 2      |
|   | Acid Number (AN) | mg KOH/g | ASTM D8045   | 0.4        | 0.31           | 0.30          | 0.262          |



## **OIL ANALYSIS REPORT**



| VISUAL                  |        | method    | limit/base  | current  | history 1    | history 2 |
|-------------------------|--------|-----------|-------------|----------|--------------|-----------|
| White Metal             | scalar | *Visual   | NONE        | NONE     | NONE         | NONE      |
| 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        | ▲ MODER  | NONE         | NONE      |
| Sand/Dirt               | scalar | *Visual   | NONE        | NONE     | NONE         | NONE      |
| Appearance              | scalar | *Visual   | NORML       | A HAZY   | NORML        | NORML     |
| Odor                    | scalar | *Visual   | NORML       | NORML    | NORML        | NORML     |
| <b>Emulsified Water</b> | scalar | *Visual   | >0.05       | 0.2%     | NEG          | NEG       |
| Free Water              | scalar | *Visual   |             | <u> </u> | NEG          | NEG       |
| FLUID PROPERT           | IEC    | method    | limit/base  | current  | la la tama d | hiotom, O |
| I LOID I HOI LITT       | IES    | method    | IIIIII/Dase | Current  | history 1    | history 2 |
| Visc @ 40°C             | cSt    | ASTM D445 | 46          | 43.2     | 43.8         | 43.9      |
|                         | cSt    |           |             |          | •            |           |
| Visc @ 40°C             | cSt    | ASTM D445 | 46          | 43.2     | 43.8         | 43.9      |







Certificate L2367

Laboratory

Sample No. Lab Number

: KC96724 : 05646560 Unique Number : 10141099

Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received Diagnosed

: 20 Sep 2022 : 21 Sep 2022 Diagnostician : Jonathan Hester **HELICOPTER HELMET** 

274 WEST DR MELBOURNE, FL USA 32904

Contact: Service Manager

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)

T:

F: