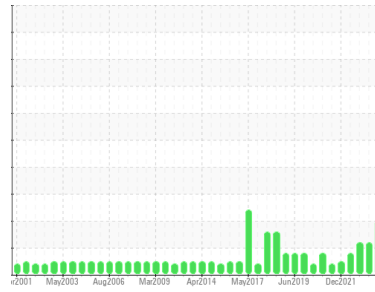




# OIL ANALYSIS REPORT

Sample Rating Trend



ISO



Area

## BARRIER DEPARTMENT SAMPLES

Machine Id

## DAVIS STAND WEB 05 CD COATING (S/N M6190)

Component

Gearbox

Fluid

TEXACO MEROPA 220 (12 GAL)

### DIAGNOSIS

#### Recommendation

We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is a high 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     | history1    | history2    |
|---------------|-------------|-------------|-------------|-------------|-------------|
| Sample Number | Client Info |             | WC0913518   | WC0806377   | WC0757261   |
| Sample Date   | Client Info |             | 14 Apr 2024 | 08 Oct 2023 | 04 Apr 2023 |
| Machine Age   | hrs         | Client Info | 0           | 0           | 0           |
| Oil Age       | hrs         | Client Info | 0           | 0           | 0           |
| Oil Changed   | Client Info |             | N/A         | N/A         | N/A         |
| Sample Status |             |             | ABNORMAL    | ABNORMAL    | ABNORMAL    |

### CONTAMINATION

|       | method    | limit/base | current | history1 | history2 |
|-------|-----------|------------|---------|----------|----------|
| Water | WC Method | >0.2       | NEG     | NEG      | NEG      |

### WEAR METALS

|          | method | limit/base       | current | history1 | history2 |
|----------|--------|------------------|---------|----------|----------|
| Iron     | ppm    | ASTM D5185m >200 | 60      | 66       | 70       |
| Chromium | ppm    | ASTM D5185m >15  | <1      | <1       | <1       |
| Nickel   | ppm    | ASTM D5185m >15  | 0       | 0        | 0        |
| Titanium | ppm    | ASTM D5185m      | 0       | 0        | 0        |
| Silver   | ppm    | ASTM D5185m      | 0       | 0        | 0        |
| Aluminum | ppm    | ASTM D5185m >25  | <1      | <1       | 0        |
| Lead     | ppm    | ASTM D5185m >100 | 0       | 0        | <1       |
| Copper   | ppm    | ASTM D5185m >200 | 1       | <1       | 2        |
| Tin      | ppm    | ASTM D5185m >25  | 0       | <1       | 0        |
| 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 3.2   | 2       | 3        | 2        |
| Barium     | ppm    | ASTM D5185m 0.5   | 0       | 0        | <1       |
| Molybdenum | ppm    | ASTM D5185m 1.1   | 3       | 3        | 4        |
| Manganese  | ppm    | ASTM D5185m       | <1      | <1       | <1       |
| Magnesium  | ppm    | ASTM D5185m 0.1   | 1       | 2        | 0        |
| Calcium    | ppm    | ASTM D5185m 1.6   | 4       | 5        | 1        |
| Phosphorus | ppm    | ASTM D5185m 159   | 157     | 177      | 192      |
| Zinc       | ppm    | ASTM D5185m 0.5   | 4       | 2        | 8        |
| Sulfur     | ppm    | ASTM D5185m 10342 | 9215    | 8753     | 10396    |

### CONTAMINANTS

|           | method | limit/base      | current | history1 | history2 |
|-----------|--------|-----------------|---------|----------|----------|
| Silicon   | ppm    | ASTM D5185m >50 | 2       | 4        | 4        |
| Sodium    | ppm    | ASTM D5185m     | <1      | 0        | 0        |
| Potassium | ppm    | ASTM D5185m >20 | <1      | <1       | <1       |

### FLUID CLEANLINESS

|                 | method       | limit/base | current    | history1   | history2   |
|-----------------|--------------|------------|------------|------------|------------|
| Particles >4µm  | ASTM D7647   | >20000     | ▲ 48810    | ▲ 74041    | ▲ 79019    |
| Particles >6µm  | ASTM D7647   | >5000      | ▲ 6677     | ● 7749     | ● 7878     |
| Particles >14µm | ASTM D7647   | >640       | ▲ 764      | 620        | 319        |
| Particles >21µm | ASTM D7647   | >160       | ▲ 172      | 138        | 66         |
| Particles >38µm | ASTM D7647   | >40        | 6          | 9          | 2          |
| Particles >71µm | ASTM D7647   | >10        | 0          | 3          | 0          |
| Oil Cleanliness | ISO 4406 (c) | >21/19/16  | ▲ 23/20/17 | ▲ 23/20/16 | ▲ 23/20/15 |

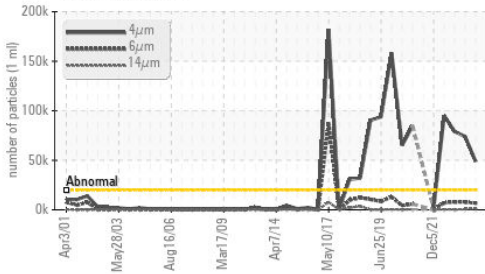
### FLUID DEGRADATION

|                  | method   | limit/base | current | history1 | history2 |
|------------------|----------|------------|---------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D8045 | 0.58    | 0.52     | 0.44     |

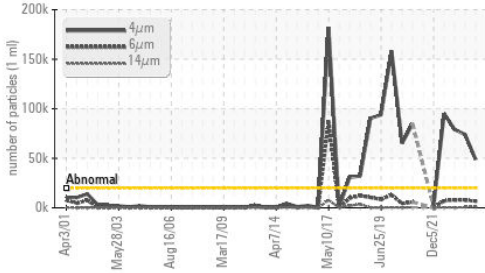


# OIL ANALYSIS REPORT

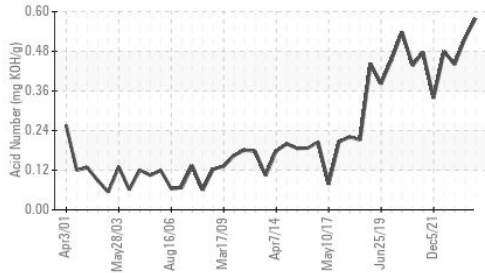
## ▲ Particle Trend



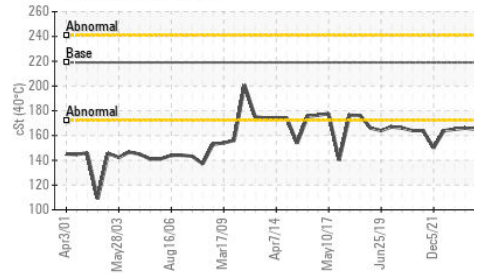
## ▲ Particle Trend



## Acid Number



## Viscosity @ 40°C



| 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    | >0.2    | NEG      | NEG      |
| Free Water       | scalar | *Visual    |         | NEG      | NEG      |

| FLUID PROPERTIES | method | limit/base    | current | history1 | history2 |
|------------------|--------|---------------|---------|----------|----------|
| Visc @ 40°C      | cSt    | ASTM D445 219 | 165     | 166      | 165      |

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

Color

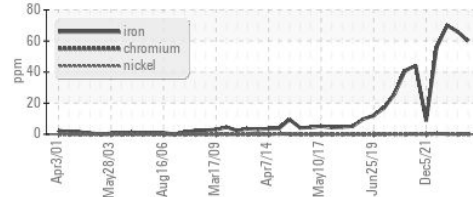


Bottom

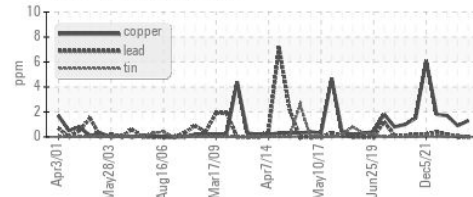


## GRAPHS

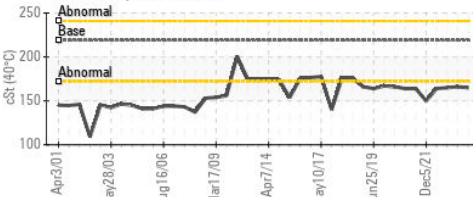
### Ferrous Alloys



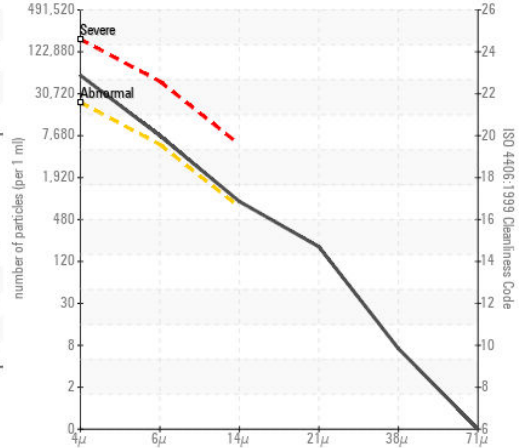
### Non-ferrous Metals



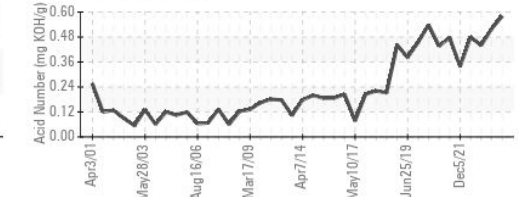
### Viscosity @ 40°C



### ▲ Particle Count



### Acid Number



Certificate L2367

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

Sample No. : WC0913518

Lab Number : 06148700

Unique Number : 10978778

Test Package : IND 2 ( Additional Tests: PrtCount )

Received : 15 Apr 2024

Tested : 16 Apr 2024

Diagnosed : 17 Apr 2024 - Don Baldrige

SEALED AIR CORP - CRYOVAC DIVISION

1301 WEST MAGNOLIA AVE

IOWA PARK, TX

US 76367

Contact: KEVIN KETCHERSID

kevin.a.ketchersid@sealedair.com

T: (940)592-2111

F: (940)592-2513

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)