

# Oil Analysis Report



den hartog laboratorium

Den Hartog B.V.

Released Date:

| Asset Information  |                  |
|--|------------------|
| Site: Den Hartog B.V. mail<br>laboratorium@denhartogbv.com | Location: DHLA   |
| Asset: B. Koelewijn - Saasveld → Transmissie → carter      | Serial Number:   |
| Manufacturer:  | Model:           |
| Component Type: Gear, Splash                               | Asset Operating: |
| Sample Information   |                  |
| Oil: Toyota ATF WS E-CVT(1332412)                          | Oil Operating:   |
| Draw Date: Sep 29, 2025, 2:57:00 AM                        | Top up:          |
| Notes:   |                  |

## Diagnosis/Recommendation

### Observations:

Silicon is severely high; Copper is severely high

### Diagnostics:

- Contaminatie aanwezig vanuit de lucht, vaak zand en/of stofdeeltjes.
- Slijtage metaal Koper is te hoog, vermoedelijke bron is slijtage van lagers of drukringen. Controleer slijtage met trillingsanalyse.

### Actions:

- Controleer op schade en slijtage en ververs de olie

### Additional Recommendations:



Test Performed by: **SMOLAB**

Released by: \_\_\_\_\_

## Test Results

| TriVector | Parameter           | Current Sample               | Unit   |
|-----------|---------------------|------------------------------|--------|
|           | Sample ID           | 5933832-6809                 |        |
|           | Draw Date           | Sep 29, 2025, 2:57:00 AM     |        |
|           | Test Date           | Oct 8, 2025, 3:16:32 AM      |        |
|           | Released Date       |                              |        |
|           | Oil                 | Toyota ATF WS E-CVT(1332412) |        |
|           | Asset Operating     |                              | hours  |
|           | Component Operating |                              | hours  |
|           | Oil Operating       |                              | hours  |
|           | Oil Changed         | Unknown                      |        |
|           | Filter Changed      | Unknown                      |        |
|           | Top up              |                              | litres |
|           | Alarm Code          | ⊘                            |        |
| ⚙️        | Iron                | 97                           | ppm    |
| ⚙️        | Chrome              | 1                            | ppm    |
| ⚙️        | Nickel              | 0                            | ppm    |
| ⚙️        | Aluminium           | 16                           | ppm    |
| ⚙️        | Lead                | 0                            | ppm    |
| ⚙️        | Copper              | 293                          | ppm    |
| ⚙️        | Tin                 | 10                           | ppm    |
| ⚙️        | Silver              | 0                            | ppm    |
| 💧         | Silicon             | 96                           | ppm    |

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| TriVector | Parameter  | Current Sample | Unit      |
|-----------|------------|----------------|-----------|
|           | Sodium     | 12             | ppm       |
|           | Potassium  | 12             | ppm       |
|           | Water      | 71             | ppm       |
|           | Molybdenum | 1              | ppm       |
|           | Calcium    | 77             | ppm       |
|           | Magnesium  | 3              | ppm       |
|           | Phosphorus | 261            | ppm       |
|           | Zinc       | 12             | ppm       |
|           | Boron      | 30             | ppm       |
|           | TAN        | 1.99           | mg KOH/g  |
|           | Oxidation  | 0.73           | abs/0.1mm |
|           | Visc 40    | 23.5           | cSt       |
|           | Visc 100   | 5.5            | cSt       |

## Triggered Limits (Current Sample)

| ID | Parameter | Limit Type | Direction | Alarm Range | Reference Value | Last Value | Test Value |
|----|-----------|------------|-----------|-------------|-----------------|------------|------------|
| 1  | Copper    | Absolute   | ↑         | 30.0 → ∞    |                 |            | 293.0      |
| 2  | Silicon   | Absolute   | ↑         | 50.0 → ∞    |                 |            | 96.0       |

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