

### **OIL ANALYSIS REPORT**

Sample Rating Trend

ISO

Machine Id

# NVH 5-8 METERING UNIT

Component Hydraulic System Fluid SHELL TELLUS 46 (--- GAL)

#### DIAGNOSIS

#### A Recommendation

We recommend you service the filters on this component. 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 acceptable for the time in service.

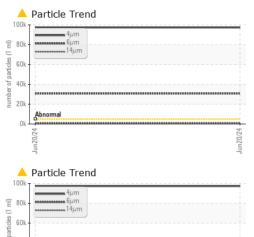
| SAMPLE INFORM    | IATION   | method       | limit/base | current         | history1    | history2      |
|------------------|----------|--------------|------------|-----------------|-------------|---------------|
| Sample Number    |          | Client Info  |            | TLC0001895      |             |               |
| Sample Date      |          | Client Info  |            | 20 Jun 2024     |             |               |
| Machine Age      | hrs      | Client Info  |            | 0               |             |               |
| Oil Age          | hrs      | Client Info  |            | 0               |             |               |
| Oil Changed      |          | Client Info  |            | N/A             |             |               |
| Sample Status    |          |              |            | ABNORMAL        |             |               |
| CONTAMINATION    | ١        | method       | limit/base | current         | history1    | history2      |
| Water            |          | WC Method    | >0.05      | NEG             |             |               |
| WEAR METALS      |          | method       | limit/base | current         | history1    | history2      |
| Iron             | ppm      | ASTM D5185m  | >20        | 0               |             |               |
| Chromium         | ppm      | ASTM D5185m  | >20        | 0               |             |               |
| Nickel           | ppm      | ASTM D5185m  | >20        | 0               |             |               |
| Titanium         | ppm      | ASTM D5185m  |            | 0               |             |               |
| Silver           | ppm      | ASTM D5185m  |            | 0               |             |               |
| Aluminum         | ppm      | ASTM D5185m  | >20        | 0               |             |               |
| Lead             | ppm      | ASTM D5185m  | >20        | 0               |             |               |
| Copper           | ppm      | ASTM D5185m  | >20        | 10              |             |               |
| Tin              |          | ASTM D5185m  | >20        | <1              |             |               |
| Vanadium         | ppm      | ASTM D5185m  | >20        | 0               |             |               |
|                  | ppm      |              |            | -               |             |               |
| Cadmium          | ppm      | ASTM D5185m  |            | 0               |             |               |
| ADDITIVES        |          | method       | limit/base | current         | history1    | history2      |
| Boron            | ppm      | ASTM D5185m  | 0.0        | 2               |             |               |
| Barium           | ppm      | ASTM D5185m  | 0          | 0               |             |               |
| Molybdenum       | ppm      | ASTM D5185m  | 0          | <1              |             |               |
| Manganese        | ppm      | ASTM D5185m  |            | <1              |             |               |
| Magnesium        | ppm      | ASTM D5185m  | 11         | 52              |             |               |
| Calcium          | ppm      | ASTM D5185m  | 35         | 83              |             |               |
| Phosphorus       | ppm      | ASTM D5185m  | 266        | 325             |             |               |
| Zinc             | ppm      | ASTM D5185m  | 276        | 357             |             |               |
| Sulfur           | ppm      | ASTM D5185m  | 1847       | 916             |             |               |
| CONTAMINANTS     |          | method       | limit/base | current         | history1    | history2      |
| Silicon          | ppm      | ASTM D5185m  | >15        | 1               |             |               |
| Sodium           | ppm      | ASTM D5185m  |            | 2               |             |               |
| Potassium        | ppm      | ASTM D5185m  | >20        | 2               |             |               |
| FLUID CLEANLIN   | ESS      | method       | limit/base | current         | history1    | history2      |
| Particles >4µm   |          | ASTM D7647   | >5000      | <b>4</b> 97318  |             |               |
| Particles >6µm   |          | ASTM D7647   | >1300      | <u> </u>        |             |               |
| Particles >14µm  |          | ASTM D7647   | >160       | <u> </u>        |             |               |
| Particles >21µm  |          | ASTM D7647   | >40        | <u> </u>        |             |               |
| Particles >38µm  |          | ASTM D7647   | >10        | 2               |             |               |
| Particles >71µm  |          | ASTM D7647   |            | 0               |             |               |
| Oil Cleanliness  |          | ISO 4406 (c) | >19/17/14  | <u> </u>        |             |               |
| FLUID DEGRADA    | TION     | method       | limit/base | current         | history1    | history2      |
|                  |          |              |            |                 | history     | - History2    |
| Acid Number (AN) | mg KOH/g | ASTM D8045   | 0.36       | 0.32            |             |               |
| 34·10) Rev: 1    |          |              | Co         | ntact/Location. | IFFFREY WAS | SHICK - ALITA |

Report Id: AUTAIK [WUSCAR] 06218202 (Generated: 06/25/2024 19:34:10) Rev: 1

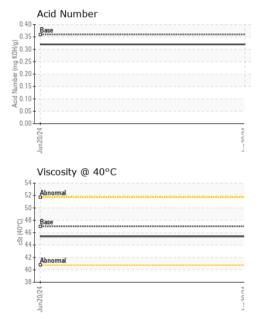
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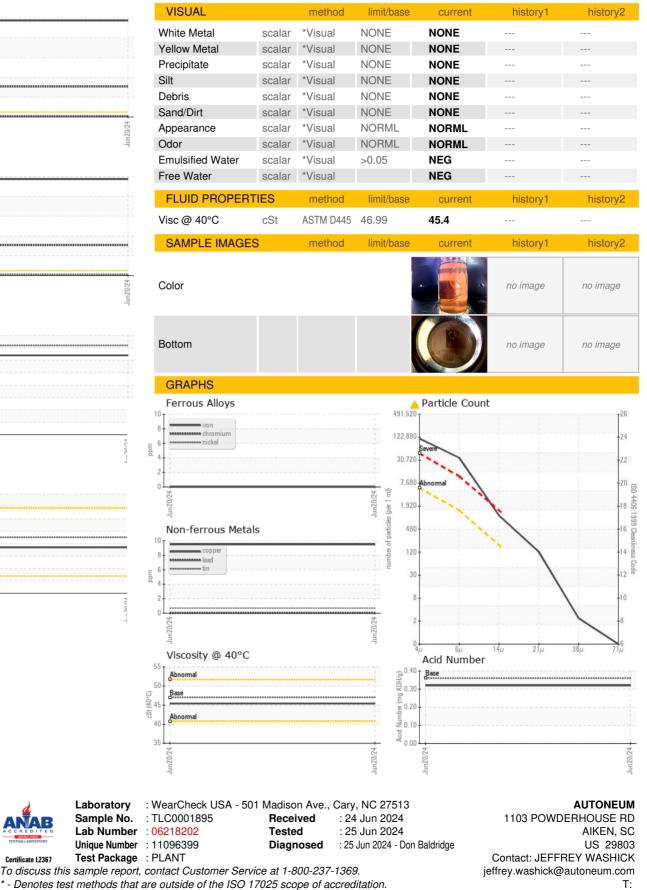


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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate 12367

Laboratory

Sample No.

Contact/Location: JEFFREY WASHICK - AUTAIK

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