

## **OIL ANALYSIS REPORT**

Sample Rating Trend



# Area HPU03 Machine Id **HTS07** Hydraulic System

CASTROL BRAYCO MICRONIC 882 (--- GAL)

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

### Fluid Condition

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

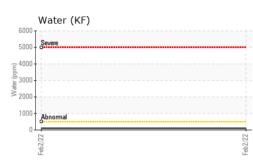
| SAMPLE INFORM    | <b>MATION</b> | method       | limit/base | current     | history1 | history2 |
|------------------|---------------|--------------|------------|-------------|----------|----------|
| Sample Number    |               | Client Info  |            | WC0660521   |          |          |
| Sample Date      |               | Client Info  |            | 02 Feb 2022 |          |          |
| Machine Age      | mths          | Client Info  |            | 0           |          |          |
| Oil Age          | mths          | Client Info  |            | 0           |          |          |
| Oil Changed      |               | Client Info  |            | N/A         |          |          |
| Sample Status    |               |              |            | NORMAL      |          |          |
| 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        | <1          |          |          |
| Lead             | ppm           | ASTM D5185m  | >20        | 0           |          |          |
| Copper           | ppm           | ASTM D5185m  | >20        | 0           |          |          |
| Tin              | ppm           | ASTM D5185m  | >20        | 0           |          |          |
| Antimony         | ppm           | ASTM D5185m  |            | 0           |          |          |
| Vanadium         | ppm           | ASTM D5185m  |            | 0           |          |          |
| Cadmium          | ppm           | ASTM D5185m  |            | 0           |          |          |
| ADDITIVES        |               | method       | limit/base | current     | history1 | history2 |
| Boron            | ppm           | ASTM D5185m  |            | 0           |          |          |
| Barium           | ppm           | ASTM D5185m  |            | 0           |          |          |
| Molybdenum       | ppm           | ASTM D5185m  |            | 0           |          |          |
| Manganese        | ppm           | ASTM D5185m  |            | 0           |          |          |
| Magnesium        | ppm           | ASTM D5185m  |            | 0           |          |          |
| Calcium          | ppm           | ASTM D5185m  |            | 0           |          |          |
| Phosphorus       | ppm           | ASTM D5185m  |            | 766         |          |          |
| Zinc             | ppm           | ASTM D5185m  |            | 0           |          |          |
| Sulfur           | ppm           | ASTM D5185m  |            | 0           |          |          |
|                  |               |              | limit/base | -           | biotoryd |          |
| CONTAMINANTS     |               | method       | limit/base | current     | history1 | history2 |
| Silicon          | ppm           | ASTM D5185m  | >15        | <1          |          |          |
| Sodium           | ppm           | ASTM D5185m  |            | 0           |          |          |
| Potassium        | ppm           | ASTM D5185m  | >20        | 0           |          |          |
| Water            | %             | ASTM D6304   |            | 0.010       |          |          |
| ppm Water        | ppm           | ASTM D6304   | >500       | 103.0       |          |          |
| FLUID CLEANLIN   | IESS          | method       | limit/base | current     | history1 | history2 |
| Particles >4µm   |               | ASTM D7647   | >5000      | 64          |          |          |
| Particles >6µm   |               | ASTM D7647   | >1300      | 20          |          |          |
| Particles >14µm  |               | ASTM D7647   | >160       | 4           |          |          |
| Particles >21µm  |               | ASTM D7647   | >40        | 2           |          |          |
| Particles >38µm  |               | ASTM D7647   | >10        | 0           |          |          |
| Particles >71µm  |               | ASTM D7647   | >3         | 0           |          |          |
| Oil Cleanliness  |               | ISO 4406 (c) | >19/17/14  | 13/11/9     |          |          |
| FLUID DEGRADA    | TION          | method       | limit/base | current     | history1 | history2 |
| Acid Number (AN) | mg KOH/g      | ASTM D8045   | 0.014      | 0.056       | <br>TD:  |          |

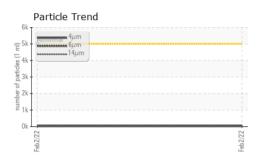
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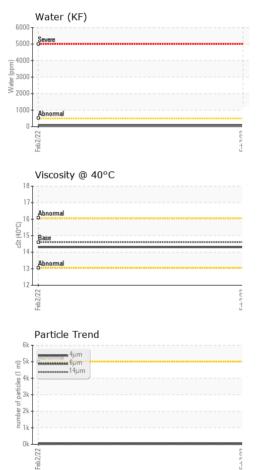
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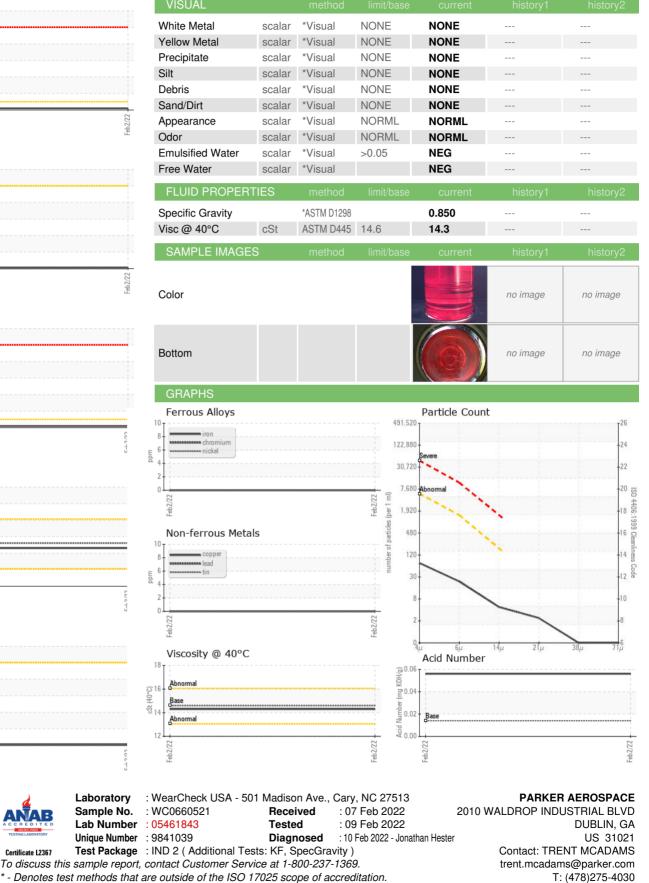


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Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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Certificate 12367

Laboratory

Sample No.

Lab Number

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