

# **OIL ANALYSIS REPORT**







#### DIAGNOSIS

### 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

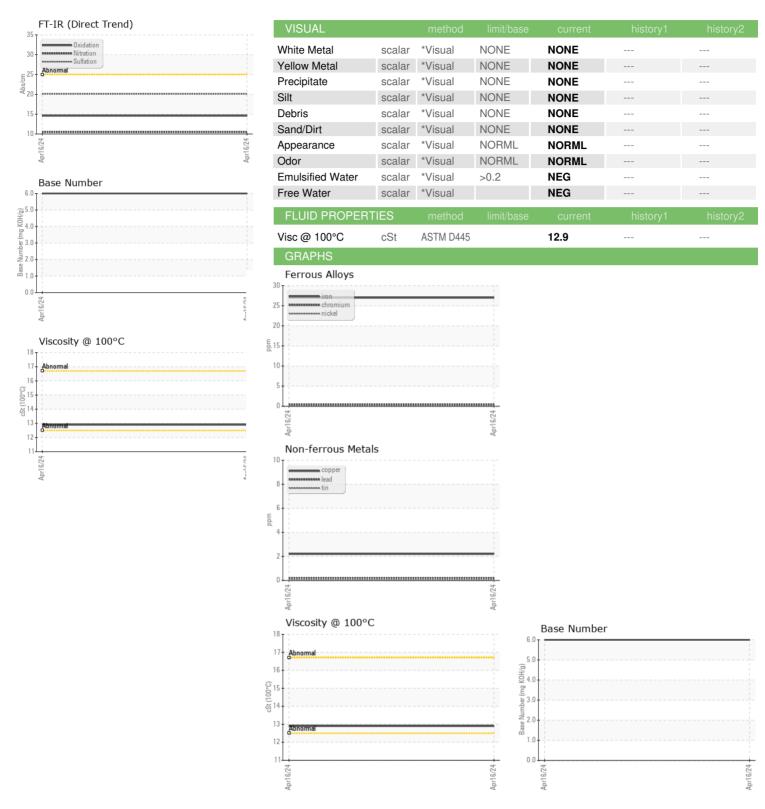
## **Fluid Condition**

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

| AL)              |          |             |            | Apr2024     |          |          |
|------------------|----------|-------------|------------|-------------|----------|----------|
| SAMPLE INFORM    | MATION   | method      | limit/base | current     | history1 | history2 |
| Sample Number    |          | Client Info |            | WC0715208   |          |          |
| Sample Date      |          | Client Info |            | 16 Apr 2024 |          |          |
| Machine Age      | hrs      | Client Info |            | 4625        |          |          |
| Oil Age          | hrs      | Client Info |            | 600         |          |          |
| Oil Changed      |          | Client Info |            | Changed     |          |          |
| Sample Status    |          |             |            | NORMAL      |          |          |
| CONTAMINATIO     | N        | method      | limit/base | current     | history1 | history2 |
| -uel             |          | WC Method   | >5         | <1.0        |          |          |
| Nater            |          | WC Method   | >0.2       | NEG         |          |          |
| Glycol           |          | WC Method   |            | NEG         |          |          |
| WEAR METALS      |          | method      | limit/base | current     | history1 | history2 |
| ron              | ppm      | ASTM D5185m | >100       | 27          |          |          |
| Chromium         | ppm      | ASTM D5185m | >20        | <1          |          |          |
| Nickel           | ppm      | ASTM D5185m | >2         | 0           |          |          |
| Titanium         | ppm      | ASTM D5185m | >2         | 0           |          |          |
| Silver           | ppm      | ASTM D5185m | >2         | <1          |          |          |
| Aluminum         | ppm      | ASTM D5185m | >25        | 12          |          |          |
| _ead             | ppm      | ASTM D5185m | >40        | <1          |          |          |
| Copper           | ppm      | ASTM D5185m | >330       | 2           |          |          |
| īn               | ppm      | ASTM D5185m | >15        | 0           |          |          |
| /anadium         | ppm      | ASTM D5185m |            | 0           |          |          |
| Cadmium          | ppm      | ASTM D5185m |            | 0           |          |          |
| ADDITIVES        |          | method      | limit/base | current     | history1 | history2 |
| Boron            | ppm      | ASTM D5185m |            | 46          |          |          |
| Barium           | ppm      | ASTM D5185m |            | 0           |          |          |
| Molybdenum       | ppm      | ASTM D5185m |            | 88          |          |          |
| Manganese        | ppm      | ASTM D5185m |            | <1          |          |          |
| Magnesium        | ppm      | ASTM D5185m |            | 39          |          |          |
| Calcium          | ppm      | ASTM D5185m |            | 2464        |          |          |
| Phosphorus       | ppm      | ASTM D5185m |            | 1147        |          |          |
| Zinc             | ppm      | ASTM D5185m |            | 1390        |          |          |
| Sulfur           | ppm      | ASTM D5185m |            | 5070        |          |          |
| CONTAMINANTS     | 3        | method      | limit/base | current     | history1 | history2 |
| Silicon          | ppm      | ASTM D5185m | >25        | 4           |          |          |
| Sodium           | ppm      | ASTM D5185m |            | 2           |          |          |
| Potassium        | ppm      | ASTM D5185m | >20        | <1          |          |          |
| INFRA-RED        |          | method      | limit/base | current     | history1 | history2 |
| Soot %           | %        | *ASTM D7844 | >3         | 0.1         |          |          |
| Nitration        | Abs/cm   | *ASTM D7624 | >20        | 10.5        |          |          |
| Sulfation        | Abs/.1mm | *ASTM D7415 | >30        | 20.1        |          |          |
| FLUID DEGRADA    | NOITA    | method      | limit/base | current     | history1 | history2 |
| Oxidation        | Abs/.1mm | *ASTM D7414 | >25        | 14.6        |          |          |
| Base Number (BN) | mg KOH/g | ASTM D2896  |            | 6.0         |          |          |



## **OIL ANALYSIS REPORT**







Laboratory Sample No. Lab Number : 06193312

: WC0715208 Unique Number : 11050064

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 28 May 2024 **Tested** : 30 May 2024

Diagnosed : 30 May 2024 - Wes Davis

3 HEGAN ST WALES, MA US 01081 Contact: Service Manager

**TOWN OF WALES** 

Test Package : FLEET Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

MECHANIC@TOWNOFWALES.NET T:

\* - 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)

Report Id: TOWWALWC [WUSCAR] 06193312 (Generated: 05/30/2024 12:32:08) Rev: 1

Contact/Location: Service Manager - TOWWALWC

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