

## **OIL ANALYSIS REPORT**

#### Sample Rating Trend

### NORMAL

#### Area SAB2 Machine Id SAB2 G15 Governor Component

#### Hydraulic System Fluid ESSO TERESSO ISO 46 (6160 LTR)

#### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor. Please contact your representative for information regarding the proper sampling kits for your service. NOTE: We recommend using IND 3 test kits, this testkit includes Analytical Ferrography which provides a detailed morphological analysis of wear particles present in the fluid.

#### Wear

Component wear rates appear to be normal (unconfirmed).

#### Contamination

The system cleanliness is acceptable for your target ISO 4406 cleanliness code. The system and fluid cleanliness is acceptable. NOTE: An increase in the particle count is noted.

#### Fluid Condition

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



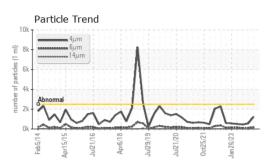


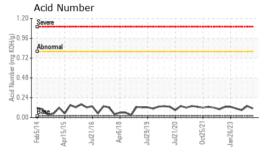
## 2014 Apr/2015 Jul/2016 Apr/2018 Jul/2019 Jul/2020 Oct/2021 Jan/2023

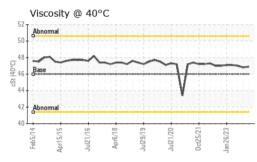
| SAMPLE INFORM  | IATION  | method   | limit/base   | current   | history1   | history2  |
|--|---|--|--|---|--|---|
| Sample Number  |   | Client Info  |  | WC0801577   | WC0858070  | WC0830370   |
| Sample Date  |   | Client Info  |  | 07 Jan 2024   | 25 Oct 2023  | 31 Jul 2023   |
| Machine Age  | 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  |   |  |  | NORMAL  | NORMAL   | NORMAL  |
| CONTAMINATION  | N   | method   | limit/base   | current   | history1   | history2  |
| Water  |   | WC Method  | >0.05  | NEG   | NEG  | NEG   |
| WEAR METALS  |   | method   | limit/base   | current   | history1   | history2  |
| Iron   | ppm   | ASTM D5185(m)  | >20  | <1  | <1   | <1  |
| Chromium   | ppm   | ASTM D5185(m)  | >20  | 0   | 0  | 0   |
| Nickel   | ppm   | ASTM D5185(m)  | >20  | <1  | <1   | <1  |
| Titanium   | ppm   | ASTM D5185(m)  |  | 0   | 0  | 0   |
| Silver   | ppm   | ASTM D5185(m)  |  | 0   | <1   | 0   |
| Aluminum   | ppm   | ASTM D5185(m)  | >20  | <1  | 0  | 0   |
| Lead   | ppm   | ASTM D5185(m)  | >20  | <1  | <1   | <1  |
| Copper   | ppm   | ASTM D5185(m)  | >20  | <1  | <1   | <1  |
| Tin  | ppm   | ASTM D5185(m)  | >20  | 0   | 0  | 0   |
| Antimony   | ppm   | ASTM D5185(m)  |  | 0   | 0  | 0   |
| Vanadium   | ppm   | ASTM D5185(m)  |  | 0   | 0  | 0   |
| Beryllium  | ppm   | ASTM D5185(m)  |  | 0   | 0  | 0   |
| Cadmium  | ppm   | ASTM D5185(m)  |  | 0   | 0  | 0   |
|  |   |  |  |   |  |   |
| ADDITIVES  |   | method   | limit/base   | current   | history1   | history2  |
| Boron  | ppm   | ASTM D5185(m)  | limit/base   | 0   | history1<br><1   | history2<br><1  |
| Boron<br>Barium  | ppm<br>ppm  |  |  | 0<br>0  | <1<br><1   | <1<br>0   |
| Boron<br>Barium<br>Molybdenum  |   | ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)  |  | 0<br>0<br>0   | <1<br><1<br>0  | <1<br>0<br>0  |
| Boron<br>Barium<br>Molybdenum<br>Manganese   | ppm   | ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)   | 0<br>0   | 0<br>0<br>0<br>0  | <1<br><1<br>0<br>0   | <1<br>0<br>0<br>0   |
| Boron<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium  | ppm<br>ppm  | ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)  | 0<br>0<br>0  | 0<br>0<br>0<br>0<br>0   | <1<br><1<br>0<br>0<br>0  | <1<br>0<br>0<br>0<br><1   |
| Boron<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium   | ppm<br>ppm<br>ppm<br>ppm<br>ppm                             | ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)   | 0<br>0<br>0<br>0   | 0<br>0<br>0<br>0<br>0<br>0  | <1<br><1<br>0<br>0<br>0<br><1  | <1<br>0<br>0<br>0<br><1<br><1   |
| Boron<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium<br>Phosphorus   | ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm                      | ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)  | 0<br>0<br>0<br>0<br>2.4  | 0<br>0<br>0<br>0<br>0<br>0<br>1   | <1<br><1<br>0<br>0<br>0<br><1<br>3   | <1<br>0<br>0<br><1<br><1<br>2   |
| Boron<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium<br>Phosphorus<br>Zinc   | ppm<br>ppm<br>ppm<br>ppm<br>ppm                             | ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)  | 0<br>0<br>0<br>0<br>2.4  | 0<br>0<br>0<br>0<br>0<br>1<br><1  | <1<br><1<br>0<br>0<br>0<br><1<br>3<br><1   | <1<br>0<br>0<br><1<br><1<br>2<br>2  |
| Boron<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium<br>Phosphorus<br>Zinc<br>Sulfur   | ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm               | ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)   | 0<br>0<br>0<br>0<br>2.4  | 0<br>0<br>0<br>0<br>0<br>0<br>1<br><1<br><1<br>1331   | <1<br><1<br>0<br>0<br><1<br>3<br><1<br>1255  | <1<br>0<br>0<br><1<br><1<br>2<br>2<br>1371  |
| Boron<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium<br>Phosphorus<br>Zinc<br>Sulfur<br>Lithium  | ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm        | ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)  | 0<br>0<br>0<br>0<br>2.4  | 0<br>0<br>0<br>0<br>0<br>1<br><1  | <1<br><1<br>0<br>0<br>0<br><1<br>3<br><1   | <1<br>0<br>0<br><1<br><1<br>2<br>2  |
| Boron<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium<br>Phosphorus<br>Zinc<br>Sulfur<br>Lithium<br>CONTAMINANTS  | ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm        | ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)  | 0<br>0<br>0<br>0<br>2.4<br>0   | 0<br>0<br>0<br>0<br>0<br>1<br>1<br>331<br><1<br>2<br>1<br>2<br>2<br>1<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2<br>2  | <1 <1 0 0 <1 3 <1 1255 <1 history1   | <1<br>0<br>0<br><1<br><1<br>2<br>2<br>1371<br><1<br>history2  |
| Boron<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium<br>Phosphorus<br>Zinc<br>Sulfur<br>Lithium<br>CONTAMINANTS<br>Silicon   | ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm        | ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)<br>ASTM D5185(m)   | 0<br>0<br>0<br>0<br>2.4<br>0   | 0<br>0<br>0<br>0<br>0<br>1<br>1<br><1<br>1331<br><1<br>2<br>1<br>0  | <1 <1 0 0 0 <1 3 <1 1255 <1 history1 0   |   |
| Boron<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium<br>Phosphorus<br>Zinc<br>Sulfur<br>Lithium<br>CONTAMINANTS<br>Silicon<br>Sodium   | ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm        | ASTM D5185(m)<br>ASTM D5185(m)  | 0<br>0<br>0<br>2.4<br>0<br>limit/base  | 0<br>0<br>0<br>0<br>0<br>1<br><1<br>1331<br><1<br>2<br>1<br>0<br>0<br>0   | <1 <1 0 0 0 <1 3 <1 1255 <1 history1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0   | <1<br>0<br>0<br><1<br><1<br>2<br>2<br>1371<br><1<br>history2<br>0<br>0  |
| Boron<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium<br>Phosphorus<br>Zinc<br>Sulfur<br>Lithium<br>CONTAMINANTS<br>Silicon<br>Sodium<br>Potassium  | ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm | ASTM D5185(m)<br>ASTM D5185(m)   | 0<br>0<br>0<br>0<br>2.4<br>0<br>1<br><u>limit/base</u><br>>15  | 0<br>0<br>0<br>0<br>0<br>1<br>1<br><1<br>1331<br><1<br>2<br>1<br>0  | <1 <1 0 0 0 <1 3 <1 1255 <1 <b>history1</b> 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0  | <1<br>0<br>0<br><1<br><1<br>2<br>2<br>1371<br><1<br>history2<br>0<br>0<br><1  |
| Boron<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium<br>Phosphorus<br>Zinc<br>Sulfur<br>Lithium<br>CONTAMINANTS<br>Silicon<br>Sodium<br>Potassium  | ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm | ASTM D5185(m)<br>ASTM D5185(m)  | 0<br>0<br>0<br>2.4<br>0<br>imit/base<br>>15<br>>20<br>imit/base  | 0<br>0<br>0<br>0<br>0<br>1<br>1<br><1<br>1331<br><1<br>current<br>0<br>0<br><1<br>current   | <1 <ul> <li>&lt;1</li> <li>0</li> <li>0</li> <li>&lt;1</li> <li>3</li> <li>&lt;1</li> <li>1255</li> <li>&lt;1</li> <li>history1</li> <li>0</li> <li>0</li> <li>0</li> <li>history1</li> </ul>  | <1<br>0<br>0<br>(0<br><1<br>(1)<br>2<br>2<br>1371<br><1<br>2<br>1371<br><1<br>history2<br>0<br>0<br>0<br><1<br>history2   |
| Boron<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium<br>Phosphorus<br>Zinc<br>Sulfur<br>Lithium<br>CONTAMINANTS<br>Silicon<br>Sodium<br>Potassium<br>FLUID CLEANLIN<br>Particles >4µm  | ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm | ASTM D5185(m)<br>ASTM D5185(m)   | 0<br>0<br>0<br>2.4<br>0<br>2.4<br>0<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3  | 0<br>0<br>0<br>0<br>0<br>1<br>1<br><1<br>1331<br><1<br>current<br>0<br>0<br><1<br>current<br>1233   | <1 <ul> <li>&lt;1</li> <li>0</li> <li>0</li> <li>0</li> <li>&lt;1</li> <li>3</li> <li>&lt;1</li> <li>1255</li> <li>&lt;1</li> <li>history1</li> <li>0</li> <li>0</li> <li>0</li> <li>history1</li> </ul>   | <1<br>0<br>0<br>1<br><1<br>2<br>2<br>1371<br><1<br>history2<br>0<br>0<br>0<br><1<br>history2<br>454   |
| Boron<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium<br>Phosphorus<br>Zinc<br>Sulfur<br>Lithium<br>CONTAMINANTS<br>Silicon<br>Sodium<br>Potassium<br>FLUID CLEANLIN<br>Particles >4µm<br>Particles >6µm  | ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm | ASTM D5185(m)<br>ASTM D5185(m)                          | 0<br>0<br>0<br>2.4<br>0<br>2.4<br>0<br>3<br>1<br>1<br>1<br>5<br>2<br>0<br>1<br>1<br>1<br>1<br>5<br>2<br>0<br>1<br>1<br>1<br>1<br>1<br>2<br>2<br>0<br>1<br>1<br>1<br>1<br>2<br>2<br>0<br>1<br>1<br>1<br>1   | 0<br>0<br>0<br>0<br>0<br>1<br><1<br>1331<br><1  | <1 <1 0 0 0 <1 3 <1 1255 <1 1255 <1 history1 0 0 0 0 history1 559 113  | <1<br>0<br>0<br>0<br><1<br><1<br>2<br>2<br>1371<br><1<br>history2<br>0<br>0<br>0<br><1<br>history2<br>454<br>103  |
| Boron<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium<br>Phosphorus<br>Zinc<br>Sulfur<br>Lithium<br>CONTAMINANTS<br>Silicon<br>Sodium<br>Potassium<br>FLUID CLEANLIN<br>Particles >4µm<br>Particles >14µm   | ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm | ASTM D5185(m)<br>ASTM D76477<br>ASTM D7647              | 0<br>0<br>0<br>2.4<br>0<br>2.4<br>0<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3<br>3  | 0<br>0<br>0<br>0<br>1<br>1<br><1<br>1331<br><1<br>0<br>0<br>0<br><1<br>0<br>1<br>2<br>3<br>1<br>1233<br>181<br>9  | <1 <ul> <li>&lt;1</li> <li>0</li> <li>0</li> <li>&lt;1</li> <li>3</li> <li>&lt;1</li> <li>1255</li> <li>&lt;1</li> <li>history1</li> <li>0</li> <li>0</li> <li>0</li> <li>history1</li> <li>559</li> <li>113</li> <li>4</li> </ul>   | <1<br>0<br>0<br>0<br><1<br><1<br>2<br>2<br>1371<br><1<br>history2<br>0<br>0<br>0<br><1<br>history2<br>454<br>103<br>7   |
| Boron<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium<br>Phosphorus<br>Zinc<br>Sulfur<br>Lithium<br>CONTAMINANTS<br>Silicon<br>Sodium<br>Potassium<br>FLUID CLEANLIN<br>Particles >4µm<br>Particles >14µm<br>Particles >21µm                                      | ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm | ASTM D5185(m)<br>ASTM D7647<br>ASTM D7647<br>ASTM D7647 | 0<br>0<br>0<br>0<br>2.4<br>0<br>0<br>1<br>1<br>1<br>1<br>5<br>2<br>0<br>1<br>5<br>2<br>0<br>1<br>1<br>1<br>1<br>5<br>2<br>0<br>1<br>1<br>1<br>1<br>5<br>2<br>0<br>1<br>1<br>1<br>1<br>5<br>2<br>0<br>1<br>1<br>1<br>1<br>5<br>2<br>0<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1 | 0<br>0<br>0<br>0<br>0<br>1<br><1<br><1<br>1331<br><1<br>current<br>0<br>0<br>0<br><1<br>current<br>1233<br>181<br>9<br>3  | <1 <ul> <li>&lt;1</li> <li>0</li> <li>0</li> <li>0</li> <li>&lt;1</li> <li>3</li> <li>&lt;1</li> <li>1255</li> <li>&lt;1</li> <li>history1</li> <li>0</li> <li>0</li> <li>0</li> <li>history1</li> <li>559</li> <li>113</li> <li>4</li> <li>2</li> </ul>                           | <1<br>0<br>0<br>0<br><1<br><1<br>2<br>2<br>1371<br><1<br>history2<br>0<br>0<br>0<br><1<br>history2<br>454<br>103<br>7<br>3  |
| Boron<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium<br>Phosphorus<br>Zinc<br>Sulfur<br>Lithium<br>CONTAMINANTS<br>Silicon<br>Sodium<br>Potassium<br>FLUID CLEANLIN<br>Particles >4µm<br>Particles >14µm<br>Particles >21µm<br>Particles >38µm                   | ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm | ASTM D5185(m)<br>ASTM D7647<br>ASTM D7647<br>ASTM D7647<br>ASTM D7647<br>ASTM D7647       | 0<br>0<br>0<br>0<br>2.4<br>0<br>3<br>3<br>1<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5   | 0<br>0<br>0<br>0<br>1<br><1<br><1<br>1331<br><1<br>Current<br>0<br>0<br><1<br>0<br><1<br>2<br>3<br>181<br>9<br>3<br>3<br>0  | <1 <ul> <li>&lt;1</li> <li>&lt;1</li> <li>0</li> <li>0</li> <li>&lt;1</li> <li>3</li> <li>&lt;1</li> <li>1255</li> <li>&lt;1</li> <li>history1</li> <li>0</li> <li>0</li> <li>0</li> <li>history1</li> <li>559</li> <li>113</li> <li>4</li> <li>2</li> <li>0</li> <li>0</li> </ul> | <1<br>0<br>0<br>0<br><1<br><1<br>2<br>2<br>1371<br><1<br>history2<br>0<br>0<br>0<br><1<br>history2<br>454<br>103<br>7<br>3<br>0<br>0<br>0   |
| Boron<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium<br>Phosphorus<br>Zinc<br>Sulfur<br>Lithium<br>CONTAMINANTS<br>Silicon<br>Sodium<br>Potassium<br>FLUID CLEANLIN<br>Particles >4µm<br>Particles >4µm<br>Particles >21µm<br>Particles >38µm<br>Particles >71µm | ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm | ASTM D5185(m)<br>ASTM D7647<br>ASTM D7647<br>ASTM D7647<br>ASTM D7647<br>ASTM D7647       | 0<br>0<br>0<br>0<br>2.4<br>0<br>2.4<br>0<br>1<br>1<br>5<br>2<br>1<br>5<br>2<br>1<br>1<br>5<br>2<br>0<br>1<br>1<br>5<br>2<br>0<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1<br>1   | 0<br>0<br>0<br>0<br>1<br>1<br><1<br>1331<br><1<br>Current<br>0<br>0<br><1<br>Current<br>1233<br>181<br>9<br>3<br>0<br>0<br>0<br>0<br><1<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 | <1 <ul> <li>&lt;1</li> <li>0</li> <li>0</li> <li>0</li> <li>&lt;1</li> <li>3</li> <li>&lt;1</li> <li>1255</li> <li>&lt;1</li> <li>history1</li> <li>0</li> <li>0</li> <li>history1</li> <li>559</li> <li>113</li> <li>4</li> <li>2</li> <li>0</li> <li>0</li> <li>0</li> </ul>     | <1<br>0<br>0<br>0<br><1<br><1<br>2<br>2<br>1371<br><1<br>history2<br>0<br>0<br>0<br><1<br>history2<br>454<br>103<br>7<br>3<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0<br>0 |
| Boron<br>Barium<br>Molybdenum<br>Manganese<br>Magnesium<br>Calcium<br>Phosphorus<br>Zinc<br>Sulfur<br>Lithium<br>CONTAMINANTS<br>Silicon<br>Sodium<br>Potassium<br>FLUID CLEANLIN<br>Particles >4μm<br>Particles >14μm<br>Particles >21μm<br>Particles >38μm                   | ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm<br>ppm | ASTM D5185(m)<br>ASTM D7647<br>ASTM D7647<br>ASTM D7647<br>ASTM D7647<br>ASTM D7647       | 0<br>0<br>0<br>0<br>2.4<br>0<br>3<br>3<br>1<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5<br>5   | 0<br>0<br>0<br>0<br>1<br><1<br><1<br>1331<br><1<br>Current<br>0<br>0<br><1<br>0<br><1<br>2<br>3<br>181<br>9<br>3<br>3<br>0  | <1 <ul> <li>&lt;1</li> <li>&lt;1</li> <li>0</li> <li>0</li> <li>&lt;1</li> <li>3</li> <li>&lt;1</li> <li>1255</li> <li>&lt;1</li> <li>history1</li> <li>0</li> <li>0</li> <li>0</li> <li>history1</li> <li>559</li> <li>113</li> <li>4</li> <li>2</li> <li>0</li> <li>0</li> </ul> | <1<br>0<br>0<br>0<br><1<br><1<br>2<br>2<br>1371<br><1<br>history2<br>0<br>0<br>0<br><1<br>history2<br>454<br>103<br>7<br>3<br>0<br>0<br>0   |



# **OIL ANALYSIS REPORT**







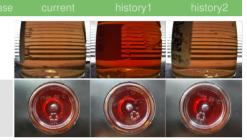
|  | icle Tr           | rend     |               |          |            |           |             |  |
|--|-------------------|----------|---------------|----------|------------|-----------|-------------|--|
|  | 4μn<br>6μn<br>14μ |          |               |          |            |           |             |  |
| The second secon |                   |          |               | Λ        |            |           |             |  |
| d 4k   |                   |          |               |          |            |           |             |  |
|  |                   | ~        | $\mathcal{N}$ | V        | ~          |           | 1           |  |
| Feb5/14  | Apr15/15          | Jul21/16 | Apr6/18       | Jul29/19 | Jul21/20 - | 0ct25/21- | Jan 26/23 - |  |

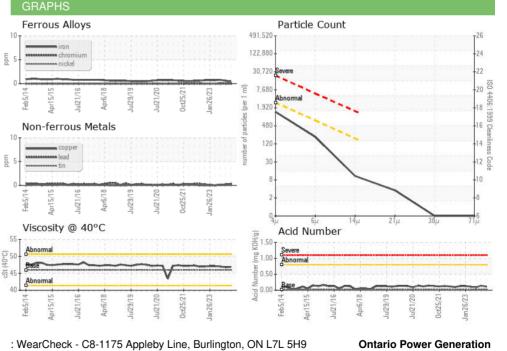
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| FLUID DEGRADA    | TION     | method        | limit/base | current | history1 | history2 |
|------------------|----------|---------------|------------|---------|----------|----------|
| Acid Number (AN) | mg KOH/g | ASTM D974*    | 0.02       | 0.11    | 0.14     | 0.09     |
| VISUAL           |          | method        | limit/base | current | history1 | history2 |
| White Metal      | scalar   | Visual*       | NONE       | NONE    | NONE     | NONE     |
| Yellow Metal     | scalar   | Visual*       | NONE       | NONE    | NONE     | NONE     |
| Precipitate      | scalar   | Visual*       | NONE       | NONE    | NONE     | NONE     |
| Silt             | scalar   | Visual*       | NONE       | NONE    | NONE     | NONE     |
| Debris           | scalar   | Visual*       | NONE       | NONE    | NONE     | NONE     |
| Sand/Dirt        | scalar   | Visual*       | NONE       | NONE    | NONE     | NONE     |
| Appearance       | scalar   | Visual*       | NORML      | NORML   | NORML    | NORML    |
| Odor             | scalar   | Visual*       | NORML      | NORML   | NORML    | NORML    |
| Emulsified Water | scalar   | Visual*       | >0.05      | NEG     | NEG      | NEG      |
| Free Water       | scalar   | Visual*       |            | NEG     | NEG      | NEG      |
| FLUID PROPERT    | IES      | method        | limit/base | current | history1 | history2 |
| Visc @ 40°C      | cSt      | ASTM D7279(m) | 46         | 46.9    | 46.8     | 47.0     |
| SAMPLE IMAGES    |          | method        | limit/base | current | history1 | history2 |
|                  |          |               |            |         |          | -        |

Color

Bottom





Laboratory CALA Sample No. : WC0801577 Recieved : 08 Jan 2024 Lab Number : 02607060 Diagnosed : 09 Jan 2024 ISO 17025:2017 Accredited Laboratory Unique Number : 5708146 Diagnostician : Kevin Marson Test Package : IND 2 (Additional Tests: TAN Man) To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (\*) outside scope of accreditation, (m) method modified, (e) tested at external lab.

Validity of results and interpretation are based on the sample and information as supplied.

NIAGARA PLANT GROUP,, 14000 NIAGARA PKWY NIAGARA ON THE LAKE, ON CA LOS 1J0 Contact: Alex Courtemanche alex.courtemanche@opg.com T: (905)357-0322 F: (905)357-6558

Report Id: ONTQUE [WCAMIS] 02607060 (Generated: 01/09/2024 13:42:10) Rev: 1