

OIL ANALYSIS REPORT

SECURITY HOUSTON TEXAS **JENBACHER SC-U2** Component



WEAR

Sample Rating Trend

Biogas Engine

MOBIL PEGASUS 805 (250 GAL)

SAMPLE INFORMATION WC0427968 WC0427970 WCM2313154 Sample Number **Client Info** We advise that you inspect for the source(s) of 13 Jul 2023 Sample Date Client Info 05 Jul 2023 30 Apr 2020 wear. We recommend an early resample to monitor Client Info Machine Age hrs 61215 61035 59973 Oil Age hrs Client Info 1231 855 735 Oil Changed Not Changd **Client Info** Not Changd N/A An increase in the iron level is noted. Cylinder. Sample Status SEVERE SEVERE ABNORMAL CONTAMINATION There is no indication of any contamination in the Fuel WC Method >4.0 <1.0 <1.0 <1.0 Glycol WC Method NEG NEG NEG WEAR METALS method history? The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is Iron ASTM D5185m >20 102 129 ▲ 25 ppm ASTM D5185m >5 2 2 2 Chromium ppm Nickel ASTM D5185m >2 0 <1 <1 ppm 0 0 ASTM D5185m Titanium ppm <1 Silver ppm ASTM D5185m >5 0 0 0 Aluminum ASTM D5185m >15 4 4 4 ppm ASTM D5185m >20 0 Lead ppm <1 <1 ASTM D5185m Copper >15 1 1 <1 ppm Tin ppm ASTM D5185m >5 1 1 <1 Antimony ASTM D5185m 16 ppm ___ Vanadium ppm ASTM D5185m <1 0 0 0 0 0 Cadmium ASTM D5185m ppm **ADDITIVES** historv1 Boron mag ASTM D5185m 80 0 0 <1 ASTM D5185m 0 0 0 Barium ppm Molybdenum ASTM D5185m <1 <1 0 ppm ASTM D5185m 1 Manganese ppm 1 <1 Magnesium ASTM D5185m 6 11 2 ppm Calcium ppm ASTM D5185m 1020 1584 1517 1598 Phosphorus ASTM D5185m 220 321 325 303 ppm 230 370 344 Zinc ppm ASTM D5185m 370 Sulfur ASTM D5185m 1000 3634 3721 2394 ppm CONTAMINANTS Silicon ASTM D5185m >150 107 101 **1**61 ppm Sodium ASTM D5185m >20 2 ppm 1 <1 Potassium ASTM D5185m >20 <1 2 2 ppm **INFRA-RED** % *ASTM D7844 >2 0.1 0.1 0.1 Soot % Nitration Abs/cm *ASTM D7624 >20 5.6 5.5 6.3 20.7 20.6 20.3 Sulfation *ASTM D7415 >30 Abs/.1mm FLUID DEGRADATION *ASTM D7414 >25 13.5 13.2 14.5 Oxidation Abs/.1mm mg KOH/g ASTM D8045 0.83 Acid Number (AN) 1.0 0.84 1.176

mg KOH/g ASTM D2896

6.2

1.91



DIAGNOSIS

this condition.

Contamination

Fluid Condition

acceptable for this fluid.

🛡 Wear

oil.

Recommendation

crank. or cam shaft wear is indicated.

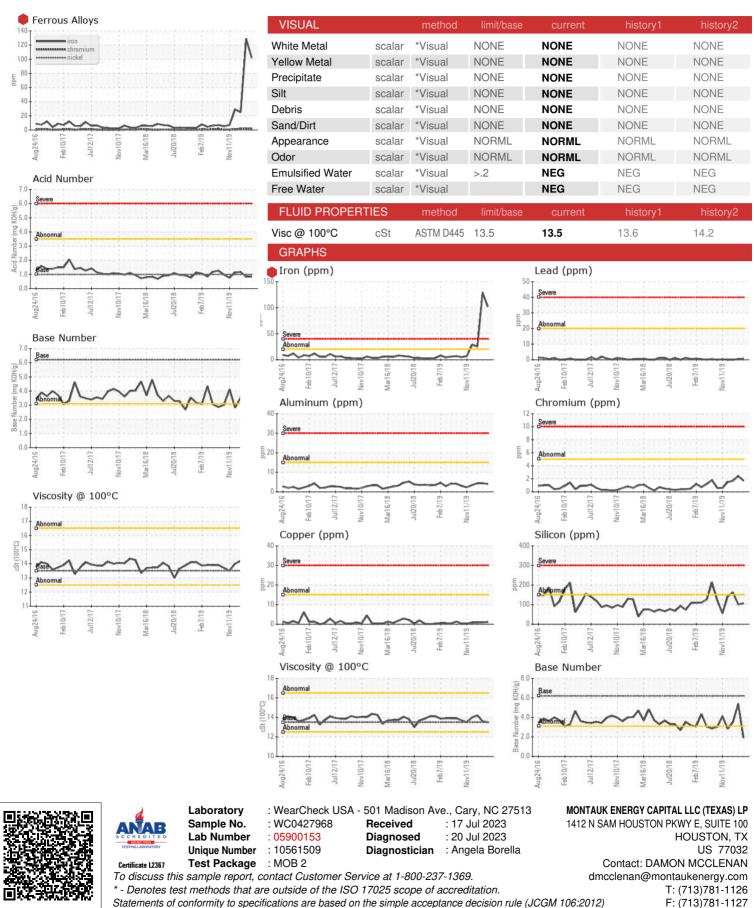
Base Number (BN) Report Id: VIRHOU [WUSCAR] 05900153 (Generated: 07/20/2023 16:04:46) Rev: 1

5.39 Contact/Location: DAMON MCCLENAN - VIRHOU

3.52



OIL ANALYSIS REPORT



Contact/Location: DAMON MCCLENAN - VIRHOU