

OIL ANALYSIS REPORT

Sample Rating Trend





DIAGNOSIS

Wear

Contamination

achine lo UNIT 3 Component

Biogas Engine

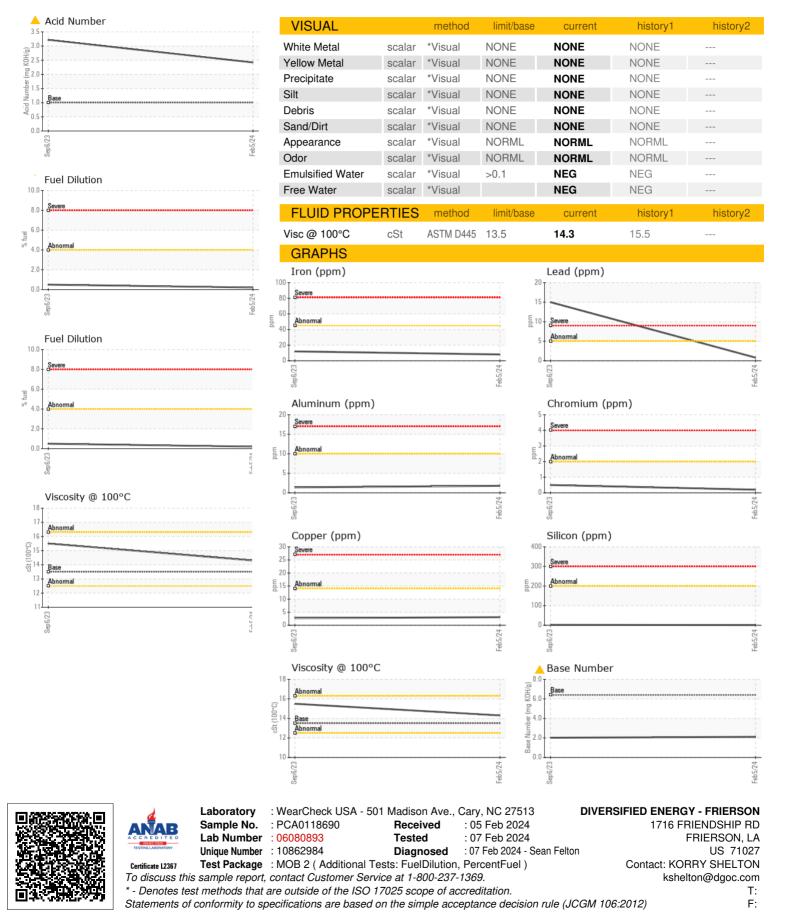
MOBIL PEGASUS 805 (--- GAL)

SAMPLE INFORMATION method limit/base current history1 history2 PCA0073700 PCA0118690 Sample Number **Client Info** Recommendation We recommend that you drain the oil and perform a 05 Feb 2024 06 Sep 2023 Sample Date Client Info filter service on this component if not already done. 52838 50441 Machine Age hrs **Client Info** Resample at the next service interval to monitor. Oil Age hrs Client Info 0 0 Oil Changed Client Info N/A Changed All component wear rates are normal. Sample Status ABNORMAL ABNORMAL CONTAMINATION method limit/base current history1 history2 Fuel content negligible. There is no indication of any contamination in the oil. >0.1 NEG Water WC Method NEG WC Method Glycol NEG NEG Fluid Condition The BN level is low. The AN level is at the top-end WEAR METALS method limit/base current historv1 history2 of the recommended limit. 8 Iron ASTM D5185m >45 12 ppm ASTM D5185m >2 Chromium ppm <1 <1 Nickel ASTM D5185m >2 0 0 ppm 0 ASTM D5185m n Titanium ppm Silver ppm ASTM D5185m >5 0 0 Aluminum ASTM D5185m >10 2 1 ppm ASTM D5185m <1 **1**5 Lead ppm >5 ASTM D5185m >14 3 Copper ppm 3 0 Tin ppm ASTM D5185m >13 <1 0 Vanadium ASTM D5185m 0 ppm Cadmium ppm ASTM D5185m 0 0 **ADDITIVES** method limit/base current history1 history2 0 0 Boron ppm ASTM D5185m 80 Barium ppm ASTM D5185m 5 0 ASTM D5185m 3 0 Molybdenum ppm 0 0 Manganese ppm ASTM D5185m 9 9 Magnesium ppm ASTM D5185m Calcium ASTM D5185m 1020 1486 1598 ppm Phosphorus ppm ASTM D5185m 220 356 321 Zinc ppm ASTM D5185m 230 393 383 Sulfur 1000 2458 ppm ASTM D5185m 3670 **CONTAMINANTS** history2 method limit/base current history1 Silicon ASTM D5185m >200 <1 2 ppm Sodium ASTM D5185m 0 ppm <1 Potassium ASTM D5185m >20 0 ppm 1 0.5 Fuel % ASTM D3524 >4.0 0.2 **INFRA-RED** method limit/base current history1 history2 0 % *ASTM D7844 0.1 Soot % Nitration Abs/cm *ASTM D7624 >20 8.0 12.8 Sulfation 22.3 24.4 *ASTM D7415 >30 Abs/.1mm FLUID DEGRADATION method limit/base current history1 history2 Abs/.1mm *ASTM D7414 >25 18.6 30.3 Oxidation mg KOH/g ASTM D8045 3.22 Acid Number (AN) 1.0 2.419 Base Number (BN) mg KOH/g ASTM D2896 6.4 **2.11 2.02**

Contact/Location: KORRY SHELTON - DIVFRILA



OIL ANALYSIS REPORT



Contact/Location: KORRY SHELTON - DIVFRILA