TRANSFORMER DIAGNOSTIC REPORT

1. SYSTEM STATUS

• Generated: 19-Jul-2025 18:43
• Model Used: SVM
• Cloud Status: Offline

2. FAULT ANALYSIS

• Detected: Detected Fault: T2 (Thermal with H2)

3. GAS ANALYSIS (ppm)

```
H#    :   35.00 ppm
CH#   :   53.00 ppm
C#H#  :   34.00 ppm
C#H#  :   70.00 ppm
C#H#  :    0.00 ppm
CO    :  300.00 ppm
CO#   : 1531.00 ppm
H#O   :   21.00 ppm
```

4. AI DIAGNOSIS

GAS CONCENTRATIONS:
H2:   50.0 ppm
CH4: 120.0 ppm
C2H6: 66.0 ppm
C2H4: 80.0 ppm
C2H2: 5.0 ppm
CO: 360.0 ppm
CO2: 25.0 ppm
H2O: 15.0 ppm
Temp: 75.0 °C
Load: 85.0 %

5. MODEL PERFORMANCE

Model Type: SVM
Validation Accuracy: 100.0%
Training Date: 19-Jul-2025

SVM DIAGNOSIS REPORT

Predicted Fault: T1 (72.8% confidence)

GAS CONCENTRATIONS: