

# Stress & Strain Analysis Report

Date: 2025-09-01 12:31:39

Material: Steel

Young's Modulus: 210000.0 MPa

Yield Strength: 250.0 MPa

Applied Stress: 26.32 MPa

Calculated Strain: 0.000125

Factor of Safety: 9.50

*Generated using Python, SQLite, Tkinter, Matplotlib, and ReportLab*