Colton Smith

Metal Technician

Education
High School Diploma, 2010
Cape Cod Technical High MA

Year Joined AMPHION
2021

Years of Experience
Since 2017

Certifications
Magnetic Particle
Liquid Penetrant
Ultrasonic Thickness

Mr. Colton Smith is a Technician with experience in Magnetic Particle Testing (MT), Liquid Penetrant Testing (PT), and Ultrasonic Thickness Testing (UTT). Mr. Smith has been a nondestructive testing (NDT) technician with AMPHION ANALYTICAL ENGINEERING, P.A. since 2021. He started gaining NDT experience in oil refineries in 2017.

Mr. Smith is certified in accordance with AMPHION's Personnel Qualification Procedure, which meets or exceeds American Society for Nondestructive Testing (ASNT) SNT-TC-1A, "Personnel Qualification and Certification in Nondestructive Testing" requirements. The written procedure utilized was AMPHION's Standard Operating Procedure (SOP), which is in accordance with American Society of Mechanical Engineers (ASME), "Boiler and Pressure Vessel Code, Section V, Nondestructive Examination" requirements.

Mechanical Integrity

Pressure Vessels, Storage Tanks, Process Vessels, and Piping

Performed mechanical integrity inspections on storage tanks, process vessels, pressure vessels, other mechanical equipment, and piping at numerous facilities covering a wide range of industries. The industries covered include, but are not limited to, the tire and rubber industry, various chemical production industries, and paper industry. These inspections utilized various nondestructive testing (NDT) methods.

Inspections were performed under various codes and references, such as the American Petroleum Institute (API), American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, and The National Board Inspection Code (NBIC). Work also included quality assurance inspections on behalf of clients during weld repair of pressure and process vessels.

Quality Assurance

Mr. Smith has performed technical document review and oversight of work performed in accordance with ASME Boiler and Pressure Vessel Code Section I and Section III, ASME B31.1 and B31.3, as well as AWS D1.1, D1.3, D1.4, and D1.6.