

Curriculum Vitae, Tom Doggart, P. E.

EDUCATION:

Master of Science, Materials Science, Concentrating in Precision Manufacturing, University of Connecticut, 1994.

Bachelor of Science, Mechanical and Materials Engineering. University of Connecticut, 1987

Nuclear Submarine Officer Training, Nuclear reactor theory and operation, US Navy, 1989.

PROFESSIONAL EXPERIENCE:

Nomad Metallurgy Inc, *Director & Principal Engineer*

Responsible for all aspects of a metallurgical and materials consultancy with a focus on failure analysis, quality system auditing and manufacturing process development. (2004 – Present)

Stork – Herron Testing Laboratories, *Director & Principal Engineer, Charlotte NC Facility*

Operating Manager and Consulting Engineer responsible for all aspects of an A2LA accredited commercial NDT, Mechanical, Chemical and Metallurgical testing laboratory. (2002 – 2004)

PerkinElmer Centurion Mechanical Seals (Formerly-EG&G Sealol), *Chief Materials Engineer*

Responsible for all material related functions including, design, specification, testing, process design and trouble shooting, failure analysis and customer interactions for an aerospace dynamic seals manufacturer. (1996 – 2002)

Danaher Tool Group, *Assistant QA & Laboratory Manager, West Hartford CT Facility*

Directed an A2LA accredited 10 person threaded fastener testing laboratory while responsible for all failure analysis, plant wide process improvement and scrap reduction. (1994 – 1996)

UCONN Center for Grinding Research and Development, *Graduate Assistant/Lab Manager*

Oversaw industry sponsored research, saving sponsor ~\$100K/yr. Managed all functions of the CGRD Materials Characterization Lab. Published: Chipping of Sharpened, Nitrided Spool Valve Edges: Problem Diagnosis and Solutions; SME TECHNICAL PAPERS, May 1995. (1992 – 1994)

Naval Submarine Officer, USS Blueback (SS-581) / USS LaJolla (SSN-701)

Responsible for the operation and maintenance of deployed submarines. (1987 – 1991)

Naval Reserve Officer (Commander, Retired), Office of Naval Research, Sci-Tech., Raleigh NC

Provide technical assistance to Naval Research Laboratory projects. (1992 – 2007)

PROFESSIONAL:

South Carolina Professional Engineer's License, #23697. Registered in 2004.

North Carolina Professional Engineer's License, #029065. Registered in 2003.

Texas Professional Engineer's License, #85672. Registered in 1999.

Connecticut Professional Engineer's License in Metallurgy, #19049. Registered in 1996.

ASM - Chairman of the RI Chapter, 2001-2; National Society of Professional Engineers (NSPE) - Catawba SC Chapter Chairman 2007 ; Member - AWS; Member – NACE; Member - SME.