

Kurt Schenk

Metallurgical Technologist

Materials Evaluation and Engineering, Inc.
13805 1st Avenue North, Suite 400
Plymouth, MN 55441-5447
Phone: (763) 449-8870
FAX: (763) 449-6699
Email: schenk@mee-inc.com

SUMMARY

Metallurgical technologist with ten years of experience in failure analysis, materials characterization, product evaluation, and research and development. Expert in metallographic sample preparation, microstructure evaluation, light microscopy, scanning electron microscopy, scanning probe microscopy, microanalysis, and metallurgical testing.

EXPERIENCE

February 1995 to Present

Materials Evaluation and Engineering, Inc.
Plymouth, MN
Laboratory Manager

- ▶ Coordinate project schedules for and maintain all instrumentation for metallurgical, scanning probe, and scanning electron microscopy laboratories, including sample preparation equipment, microscopes, and energy dispersive x-ray spectroscopy system.
- ▶ Performing laboratory evaluations and metallurgical testing to solve product and manufacturing problems for high-technology industrial clients.
- ▶ Designing and performing specialized testing to evaluate product performance and simulate failure mechanisms.
- ▶ Design and maintain company web site.
- ▶ Assist with design and preparation of company marketing materials

March 1989 to February 1995

Engel Metallurgical
St. Cloud, MN
Metallurgical Technician

- ▶ Assist the metallurgical engineers in conducting failure analyses and other material investigations. This includes careful documentation of work and preparations of reports as required.
- ▶ Prepare metallographic specimens and perform routine metallurgical examinations using light microscopy.
- ▶ Perform photography, sectioning and testing for projects and presentations.
- ▶ Coordinate required material testing done by other laboratories; and review and approve results and invoices.

EDUCATION AND PROFESSIONAL CERTIFICATIONS

Metallurgical Technology, 1989
Technical Institution of Hutchinson, Hutchinson, Minnesota

CORROSION, 1990, 5 CEU
Materials Engineering Institute of ASM

PRINCIPLES OF FAILURE ANALYSIS, 1991, 5 CEU
Materials Engineering Institute of ASM

ELEMENTS OF METALLURGY, 1991, 5 CEU
Materials Engineering Institute of ASM

PROFESSIONAL AFFILIATIONS

- ▶ ASM International Member
- ▶ Microscopy Society of America Member
- ▶ Minnesota Microscopy Society Member

PUBLICATIONS

- ▶ Hanke, Larry D. and Schenk, Kurt, "Sputter Etching for Microstructure Evaluation of Small Diameter Corrosion Resistant MP35N Wire," *Microscopy and Microanalysis 96*, 1996