

MOV Advanced Signature Analysis

This course provides instruction on signature analysis utilizing the CRANE Nuclear Universal™ / VIPER™ 20 Motor-Operated Valve (MOV) diagnostic system. The signature analysis techniques covered in this course will include: critical MOV parameters, actuator/valve degradations, and the components of differential pressure traces. An overview is presented on generic acceptance criteria for MOVs and industry-standard pressure equations.

TERMINAL OBJECTIVES:

Each student is required to pass a written test with a minimum score of 80% in order to successfully complete this course. Upon successful course completion, the student shall possess the knowledge to:



- operate CRANE Nuclear Signature Software™.
- determine critical parameters from traces acquired during an MOV test using signature analysis techniques.
- identify MOV degradation using signature analysis techniques.
- identify components of differential pressure traces and evaluate if the MOV setpoints satisfy the acceptance criteria.

ENABLING OBJECTIVES:

At the conclusion of this course, the student shall have an increased understanding of how to:

- perform basic signature analysis.
- perform advanced signature analysis utilizing software functions.
- determine trace marking and report generation.
- perform differential pressure analysis.
- Perform degradation analysis and recommend corrective actions.

SUPPLIED MATERIALS:

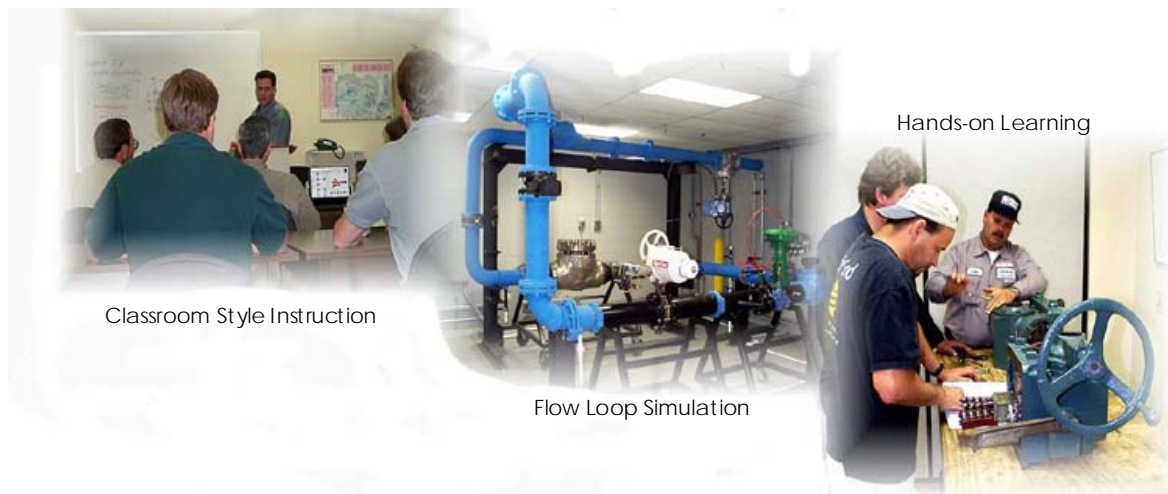
A *Training Manual* will be provided for each registered student.

In-class *Training Aides*, for courses performed at a CRANE Nuclear facility, will include all or some of the following: CRANE Nuclear MOV Test Equipment, Computers, Various Actuators, Instruments and Accessories.

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Registration Guidelines

Standard Class Size:	6 Students per Instructor
Maximum Class Size:	8 Students
Course Duration:	4 Days
Prerequisite:	CRANE Nuclear MOV Data Acquisition
Suggested Attendees:	Personnel responsible for evaluating test data to verify the MOV is operating within the established acceptance criteria; Personnel responsible for evaluating differential pressure data to validate the acceptance criteria



TRAINING SERVICES

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Visit www.cranenuclear.com
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