

## **NADCA EC – 406.1 Advanced Machine Hydraulics for Die Casting**



Building on the foundation from EC 406, the next course, **EC-406.1 Advanced Machine Hydraulics**, is designed for individuals who already understand the fundamentals and are ready to apply that knowledge in real-world situations. Rather than revisiting basic hydraulic theory, this course begins where EC-406 ends and focuses on advanced troubleshooting, circuit analysis, and a deeper understanding of how hydraulic systems interact with modern electro-mechanical controls and PLCs.

### **Course Summary**

Students will learn systematic troubleshooting methods, how to interpret complex hydraulic schematics, analyze machine performance issues, diagnose component failures, and understand the relationship between hydraulic, electrical, and control systems. The course emphasizes practical application, enabling maintenance personnel, engineers, and technicians to quickly identify root causes, minimize machine downtime, and improve the overall reliability and performance of die casting equipment.

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By the completion of EC-406.1, participants will have the knowledge and confidence to troubleshoot sophisticated hydraulic systems, evaluate machine performance, and make informed maintenance decisions that improve productivity and reduce costly interruptions.

### **Date**

*Sept 2<sup>nd</sup>, 2026*

### **Location**

*Cascade Die Casting Group – Sparta, Mi.  
9983 Sparta Ave NW, Sparta, Mi 49345*

*Class Time: 8:00am - 4:30 pm*

*Instructed By: Paul Brancleon, NADCA*

### **Cost and Signup**

**Cost: Free for current individual chapter 3 members of NADCA.**

\$105.00 for non-members, this will activate your membership, which allows the opportunity to take advantage of all the NADCA items. PayPal available.

**Email: Don Torrey at [Dtorrey13@comcast.net](mailto:Dtorrey13@comcast.net) to sign up.**