

ForCAST



The Newsletter of the American Metalcasting Consortium

Summer 2017

Casting Quality Tips

The AMC CAST-IT team has been compiling their collective wisdom into [Casting Quality Tips](#). Here is a summary of the three tips they have written so far:

Casting Quality Tips for Inspection and Machining Fixtures

Without exact correlation of common datum target points for fixturing at the foundry and machine shop, the chances of scrapping good castings increases dramatically. These casting quality tips help ensure every qualified casting produces a finish machined part that meets all requirements of the technical data package.

First Article Testing (FAT) for Castings

Quality assurance of cast components requires a unique skillset as castings offer complex geometry and casting-specific specifications. These tips offer examples of FAT problems and provide recommendations for preventing disapprovals.

Importance of Accurate Specification Conversions

Many TDPs need updating to convert canceled or obsolete specifications to current specifications, but this conversion can be problematic. These tips provide guidance and illustrate the impact of unnecessarily over-specifying requirements.



AFCAT Seminars Featured in DLA's Loglines Magazine

The latest issue of DLA's Loglines magazine presents an article on the Aviation Forging and Casting Assistance Team's (AFCAT's) workforce development seminars. These biannual seminars include visits to foundries like Danko Arlington and Buck Company so that DLA employees can learn firsthand how casting suppliers create aircraft parts. Employees also learn how casting processes and tooling affect acquisition costs as well as administrative and production lead times. Since beginning these seminars, AFCAT has educated over 400 DLA Aviation employees. To read the Loglines article, click [here](#).

Another Successful AMC Technology Review

The AMC Technology Review was held in Chicago on July 12-13, 2017. During this two-day event, AMC's Casting Solutions for Readiness (CSR) project teams presented the latest R&D results to over 60 program and research leaders from industry, academia, and government, and demonstrated how they are supporting DoD's need for rapid production of high-performance, cost-effective cast parts for weapons systems. The event was a success with 100% of survey respondents rating it as excellent or very good.



AMC
AMERICAN METALCASTING CONSORTIUM

Visit the AMC Booth and Technical Presentations at:
NADCA'S 2017 Die Casting Congress & Tabletop
September 26-28, 2017
Atlanta Convention Center at the Americasmart
Atlanta, GA

ATI
Advanced Technology International

For more information about AMC go to: <https://amc.ati.org> or call 843-760-3483.

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