
Subject: Epner: Status of the continued EN coupon preparation and testing

From: Nicinski, Steven A

Sent: Wednesday, August 29, 2012 6:39 PM

To: Paul J. Brancato; Kaub, Kevin F

Subject: RE: Epner : Status of the Continued EN Coupon preparation and Testing

To Whom it May Concern:

Epner Technology, as part of a test assessment effort, electroless nickel plated onto AlBeMet 162H coupons IAW AMS 2404. This was done on multiple groups of coupons on separate baths to show consistency.

Coupons were subsequently bend tested and all specimens met the Bend Test Requirements of ASTM B571 per Epner. In addition when coupons were received at Boeing, Material and Processing performed an inspection on the bent parts, also bent/broke some fresh coupons and plating met requirements. In addition per the specification a sharp blade was used to try and peel under plating and assess adhesion.

All coupons that were inspected and tested, did not show any signs of unbounded or peeled plating. Any material that chipped off was parent material and attached plating.

All test coupons met the "Bend Test" requirements showing that Epner has a consistent process and method to EN plate onto AlBeMet.

Per Engineering and testing performed, Epner would be a suggested and proven EN plater per AMS 2404 onto AlBeMet material.

Boeing was satisfied with the positive successful EN plating and subsequent adhesion test results.

Steve

Steve Nicinski

The Boeing Company

ABMD Program - Mechanical