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AMS2403M - Plating, Nickel, General Purpose

Overview	Summary
Type: 28 Day Revised Start Date: Feb 17, 2014 Due: Mar 16, 2014 Sponsor: Craig Willan View Final Draft Attachment1:AMS2403M CS 2-17-2014.docx **To:** AMS B Finishes Processes and Fluids Committee	Please respond to the 28 Day ballot below. Respondents to this ballot are acting as individuals and are not representing any group or organization. A statement explaining the basis for disapproval must accompany all negative ballots. Ballots close at 12:00 midnight (9:00pm Pacific) on due date.

Ballot Results

Approve	Disapprove	Waive	Participation
17	1	4	22/32
53.1%	3.1%	12.5%	68.8%

Ballot Responses View Summary of Replies

Members List View Voting Members

Chet Blum	AMSB	03/16/2014 22:38 PM	APPROVE
Kevin Rankin	AMSB	03/16/2014 22:11 PM	WAIVE
Shlomo Ramati	AMSB	03/16/2014 07:58 AM	APPROVE
Robert Koukol	AMSB	03/15/2014 02:24 AM	APPROVE

Technical Comment on Section/Paragraph: 3.1.1.1

Add Reply

Select 40 HRC as the starting point for stress relief in keeping with the street version. Both 36 and 40 HRC are listed in the draft version.

Keven Kudelka	AMSB	03/13/2014 22:59 PM	

Informational Comment on Section/Paragraph: 1

Add Reply

Is “if different from 3.3.1” should be “if different from 3.3”

Informational Comment on Section/Paragraph: 4.2.2

Add Reply

Is “(See 8.6)” should be “(See 8.5)”

James Oshea	AMSB	03/12/2014 11:01 AM	APPROVE

Technical Comment on Section/Paragraph: **3.1.1.1**

Add Reply

Stress Relief - what is the requirement?

All steel parts having a hardness of **36 [40]** HRC and above and.....

Previous version of AMS2403 stated the 40 HRC as well as AMS2759-11, stating to relieve steel parts at 180KSI / 40HRC.

Roger Sines	AMSB	03/12/2014 10:19 AM	APPROVE
William Brooks	AMSB	03/10/2014 10:53 AM	

Technical Comment on Section/Paragraph: **4.2.1**

Add Reply

4.2.1 Consider adding in lot acceptance adhesion testing para 3.4.2.2, Machined plating, as an adhesion test if specified along with the quench test (3.4.2.3) which can be used if specified.

But I agree with Dan Backus and that the adhesion test could be periodic and run each day of processing as he describes. However I would add machining of the alloy after plating plus a visual as an option to testing to ASTM B 571.

Daniel Backus	AMSB	03/10/2014 08:19 AM	DISAPPROVE

Technical Comment on Section/Paragraph: **4.2.1**

Add Reply

Remove Adhesion test from the list of Acceptance tests and add it to 4.2.2, Periodic Test, as we had done for AMS 2417. “Adhesion is a periodic test that shall be performed no less than daily for each generic class of alloy as defined by AS2390 processed during that day”. Recommend we do this going forward to all plating specifications.

Technical Comment on Section/Paragraph: **4.3.2**

Add Reply

Add “For adhesion tests, four test specimens of each generic class of alloy, as defined by AS2390, that have been processed through the same cleaning and plating operations as the parts that they represent. These adhesion test specimens shall be processed prior to the first production lot of parts or with the first production lot.” Note: this is the same verbiage as in AMS 2417.

Technical Comment on Section/Paragraph: **4.3.3.1**

Add Reply

Remove any reference to Adhesion test

Technical Comment on Section/Paragraph: **Table 1**

Add Reply

Remove "Adhesion" from Sample plate

Colister Dickson	AMSB	03/10/2014 07:12 AM	APPROVE
May Danhash	AMSB	03/09/2014 23:40 PM	APPROVE
Carl Sauer	AMSB	03/07/2014 08:49 AM	

Informational Comment on Section/Paragraph: 0.0

Add Reply

waive

Charles Beargie	AMSB	03/06/2014 15:55 PM	

Informational Comment on Section/Paragraph: 3.4.2.1

Add Reply

Recommend standardizing to 5X mag or 10X mag across the AMS specs for adhesion testing.

Informational Comment on Section/Paragraph: 3.4.5

Add Reply

How many notch tensile bars required for the testing?

Robert Steffen	AMSB	03/05/2014 22:09 PM	APPROVE
Bohdan Hasiuk	AMSB	02/27/2014 13:41 PM	APPROVE
Stan Biernat	AMSB	02/26/2014 11:58 AM	APPROVE
Ken Sabo	AMSB	02/25/2014 20:47 PM	APPROVE
Rebecca Wyss	AMSB	02/25/2014 10:16 AM	WAIVE
Alun Williams	AMSB	02/25/2014 07:26 AM	

Informational Comment on Section/Paragraph: All

Add Reply

Approve

Mary Ann Forrest-Woodward	AMSB	02/21/2014 13:45 PM	WAIVE
Craig Willan	AMSB	02/21/2014 07:51 AM	APPROVE
Hitoshi Takeda	AMSB	02/18/2014 22:48 PM	

Technical Comment on Section/Paragraph: all

Add Reply

Waive

Timothy Freehling	AMSB	02/18/2014 10:37 AM	APPROVE
Roger Eybel	AMSB	02/18/2014 07:50 AM	APPROVE

Milton Stevenson	AMSB	02/18/2014 07:35 AM	

Informational Comment on Section/Paragraph: 0.0

Add Reply

APPROVE

Informational Comment on Section/Paragraph: APPROVE

Add Reply

APPROVE

Ray Kremer	AMSB	02/17/2014 16:58 PM	APPROVE
Gregory Haataja	AMSB	02/17/2014 16:42 PM	APPROVE
Jacque Bader	AMSB	02/17/2014 16:21 PM	APPROVE
Michael Niedzinski	AMSB	02/17/2014 16:10 PM	WAIVE

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