Status Update
API SC6 Materials Resource Group Summary

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Status Update: API 6ACRA Activities

• API 6ACRA Addendum 1 that adds UNS N09946 was issued in September 2017

• A small Work Group has been formed for preliminary work on the following actions:

  1. Draft & ballot requirements for evaluating whether or not a CRA should be added to API 6ACRA
  2. Review Footnotes to Table 1, and consider deletion of the words, “to suppress formation of deleterious phases”
  3. Consider revising Footnote b to Table 2, so that only water, polymer, or oil quenching is permissible after solution anneal
  4. Consider revising Charpy re-test requirements to match API 6A

• An SR3 for has been approved to consider UNS N09955 for inclusion, but this activity will not start until the action item on the development of an acceptance criteria for new alloys has been completed and UNS N09955 appears in NACE MR0175 / ISO 15156 or a Technical Circular

• An SR3 has been approved to consider a 150 KSI strength class of UNS N07718 for inclusion, but this activity will not start until the action item on the development of an acceptance criteria for new alloys has been completed and the 150 KSI strength class of UNS N07718 appears in NACE MR0175 / ISO 15156 or a Technical Circular
Status Update: Development Of New UNS S66286 Elevated Temperature Derating Factors

• API SRRR approved in 2014 to provide funding for new elevated temperature tensile testing, since UNS S26686 derating values removed for API 6A Appendix G by API 6A Errata 6

• Initial aging study performed by Carpenter Technology indicated that low temperature aging was not the cause of the non-linearity of the data in API TR6MET 1st Edition

• Next, elevated temperature tensile testing was performed on 3 heats of ASTM A453 Grade 660 Type D bar at 2 test labs at room temp, 300F, 350F, 400F, and 450F

• A second aging study performed by Baker Hughes, a GE company for the API Task Group indicated that low temperature aging was not the cause of the non-linearity of the new data

• API TR6MET 2nd Edition was balloted in API SC6 with the new derating factors in October 2017 and passed with one negative vote

• The negative vote was resolved, the comments acted upon, and a draft of API TR6MET 2nd Edition was sent out by API staff on 17 January 2018 for final review by SC6, with a due date of 31 January 2018