

# API Ballot Comments Sheet

8/25/2008

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**Ballot: API 676 Third Edition Review**

**Start Date:** 7/7/08

**Closing Date:** 8/22/08

**AMS Ballot ID:** 1,463

**Associate:** Gordon Robertson

**Coordinator:** Gordon Robertson

**Proposal:**

**89747 Richard Dow**

**Shaw Group/S&W**

Specification Section

Type

Comment

Suggested Change

Technical

appreciate the efforts of the whole task force, especially the data sheet team but I believe the official draft should not carry Contractor's logo on the data sheets.

leave as generic.

**146024 Yoshinori Kurioka**

**Kobe Steel, LTD**

Specification Section

Type

Comment

Suggested Change

API 676 3rd Edition - Annex A -  
Rev. 1.xls

Editorial

KBR name is shown on the top of the data sheet.

It should be removed.

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**162403 John Owen**

**Colfax Corporation**

Specification Section	Type	Comment	Suggested Change
3	Editorial	Review the definitions again to insure the consistent understanding of terminology by purchaser and supplier and completeness for 676 requirements. For example, from the data sheets, data items brake HP, capacity, differential pressure, discharge pressure, maximum allowable temperature, temperature, normal condition are not covered by definitions.	
3.49	Editorial	Delete this definition. All rotary pump types covered by the standard are now defined in section 4. This is section 4.3.6 in section 4.	
3.9	Technical	Modify the displacement definition so that it is applicable to all rotary pump types covered by the standard.	
4.3.2 to 4.3.7	Editorial	Update crosssections to the latest version provided by HI	
4.2.3, Note	Editorial	Add 6.8.1.8, 7.1.1.1, and 9.2.4 to the applicable paragraphs for multiphase pumps.	
6.1.2	Editorial	This statement is a carryover from the 2nd edition. Should normal point be changed to rated operating point? Rated and normal points are on the data sheet. Rated operating point is definition 3.53. Normal point is not defined. Rated operating point is the operating condition for which a pump selection is certified.	
6.1.6	Editorial	Should maximum continuous operating speed be maximum continuous allowable operating speed as defined in 3.23?	
6.1.13	Editorial	Consider adding a clarification note: Pumps are typically tested as individual components using manufacturer test floor drivers. Optional complete unit testing is described in 8.3.7.2.	
7.8.1	Editorial	Rewrite paragraph 1 for clarity. "acoustical resonance in piping systems" is repeated in the sentence.	
Annex A	Editorial	Remove KBR references from the data sheets	
Annex A	Technical	Add H <sub>2</sub> S partial pressure field to the pumped fluid or NACE sections to more precisely determine NACE applicability.	

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<u>Specification Section</u>	<u>Type</u>	<u>Comment</u>	<u>Suggested Change</u>
Annex B	Editorial	First paragraph: Revise volumetric efficiency definition to be consistent with 3.66	
Annex B.1.1.5	Technical	Particulate wear mitigation points 3 and 4 processes mentioned are examples of possible processes.	Point 3: hardening the entire screw surface by processes such as boriding or nitriding.  Point 4: hardening the outer diameter (OD) of the screws by such processes as hardfacing.
Annex B 2	Technical	Profile clearances act in opposite directions with regard to wear and volumetric efficiency. Restate each item 5 for clarity.	
6.1.18.2	Technical	Please review or clarify this item. Holding every foot on a large pump case within the same horizontal plane within .001" may not be practical to do.	

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