

Proposed amendment to GCU Appendix 9

Record of amendments

Amended by	Date	Paragraph	Amendment
Jean-Marc Blondé	20/03/2019		Draft
TTI WG decision	24/03/2020		See minutes of TTI WG meeting of March 2020
Approved by SG WU	26/05/2020		See minutes of WU SG meeting of May 2020
Approved by JC GCU	15/06/2020		

Title	Composite brake block 3.2.2
Proposed amendment made by: RU / keeper / other body:	SBB Cargo AG
Proposed amendment concerns:	<input checked="" type="checkbox"/> Appendix 9 <input type="checkbox"/> Appendix 11
Proposer:	Jean-Marc Blondé
Location, date:	Olten, 20/01/2020
Concise description:	An additional drawing is proposed in order to facilitate better comprehension.

1. Starting point (current situation):

1.1. Introduction
An additional drawing is proposed in order to facilitate better comprehension by personnel.
1.2. Mode of operation
-
1.3. Anomaly/description of problem
Second drawing to be added to code 3.2.2.

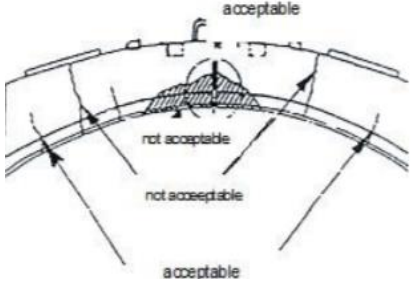
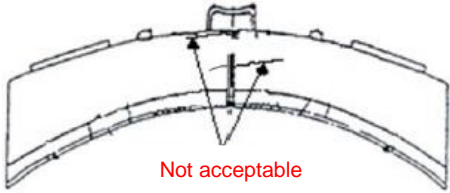
1.4 Does this concern a recognised code of practice* (e.g. DIN, EN)?
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (state which):
<p>* "Code of practice: a written set of rules that, when correctly applied, can be used to control one or more specific hazards." (source: Regulation EC 352/2009, Article 3)</p> <p>"Technical provisions laid down in writing or conveyed verbally and pertaining to procedures, equipment and modes of operation which are generally agreed by the populations concerned (specialists, users, consumer and public authorities) to be suitable for achieving the objective prescribed by law, and which have either proven their worth in practice or, it is generally agreed, are likely to within a reasonable period of time" (translation/source: BMJ Handbuch der Rechtsförmlichkeit – German Ministry of Justice)</p>

2. Target situation

2.1 Elimination of anomaly/problem (goal)

3. Amendments/additional text (relates only to proposed amendments to GCU Appendix 9):

Amendment colour code:
 Black: Current text, for info and remains unchanged
 Red: new text
 Blue: (if crossed out): text to be deleted

Component	Code no.	Irregularities/Criteria/Notes	Action to be taken	Irregularity class
	3.2.2	<p>Composite brake block</p> <ul style="list-style-type: none"> - missing - radial crack from friction surface through to plate edge (except at the designated expansion joint) <p>Friction material:</p> <ul style="list-style-type: none"> - visible crumbling of the friction material over more than one quarter of the block length, or metal inclusions  <ul style="list-style-type: none"> - detached from back plate by more than 25 mm - cracking of over 25 mm initiated cracked over more than 25 mm in direction of wheel circumference - lowest thickness $X < 10$ mm 	<p>Replace. If not possible, K + R1 (isolate brake)</p>	3

4. Reason:

Addition of a second drawing to code 3.2.2 for the purpose of better comprehension by inspection personnel.

5. Assess potential positive/negative impacts

Assess the possible positive and negative effects (operations, costs, administration, interoperability, safety, competitiveness, etc.) on a scale of 1 (very low) to 5 (very high):
Reasoning behind amendment:

Impacts:

Operations, Interoperability, Competitiveness, Cost, Management: 3

Safety: 4

6. Safety appraisal of proposed amendment

Description of actual/target system, and scope of change to be made (see points 1 and 2).

The risk study becomes obsolete insofar as only the known repositories are implemented

Safety study conducted by:

6.1. Does the change make impact on safety?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Reason:	
6.2. Is the change significant?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Reason: see template. Attach the significant change test template	
6.3. Determining and classifying risk:	<input checked="" type="checkbox"/> deleted
6.3.1. Effect of change in normal operation: 6.3.2. Effect of change in the event of disruption / deviation from normal operation: 6.3.3. Potential misuse of system: <input type="checkbox"/> No <input type="checkbox"/> Yes (describe possible misuse):	
6.4. Have safety measures been applied?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
<i>For each type of risk, one of the following risk acceptance criteria is to be selected:</i> <ul style="list-style-type: none"> • <i>“Code of practice” (acknowledged technical rules)</i> • <i>Use of reference system</i> • <i>Explicit risk estimate</i> 	
6.5. Has a risk analysis been submitted to the assessment body?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
Assessment body: Attach the verdict reached by the assessment body:	[appendix]