

Proposed amendment to Appendix 10 to the GCU

Record of amendments

Amended by	Date	Module	Amendment
Mario Tute, Bernhard Schlor	21/09/2022	M01.004	First draft
WG Modularization	04/01/2023	M01.004	Update
WG Modularization	04/09/2023	M01.004	Update
WG MNT	12/12/2023	M01.004	Update
WG MNT decision	09-10/04/2024	M01.004	Update
WU SG decision	14/05/2024	M01.004	Approved by WU SG
GCU JC decision	04/06/2024	M01.004	Approved by GCU JC after minor rewordings

Title	M01.004: Examination and handling of wheelsets with grease leak M01.004 : Examen et traitement d'essieux avec fuite de graisse M01.004: Untersuchung und Behandlung von Radsätzen mit Fettaustritt
Proposed amendment made by RU/keeper/other:	Mario Tute, Bernhard Schlor
Proposed amendment to:	<input checked="" type="checkbox"/> Appendix 10 <input type="checkbox"/> Annex 6 (appendix 10)
Proposer:	WG Modularization
Location, date:	Vienna, 21/09/2022
Concise description:	Examination and handling of broken or damaged axle box housing as well as grease and oil deposits on wheelsets and axle boxes

1. Starting point (current situation):

1.1. Introduction
The task of the working group for the modularization of appendix 10 of the GCU is to describe new modules containing the measures to restore fitness to run and to create a link to the damage codes of appendix 9 as well as to the coding of the works of appendix 10 annex 6
1.2. Mode of operation
The results of the working group are submitted as amendment to the working group appendix 10 and so introduced in the regular process for validation of amendments
1.3. Anomaly/description of problem
Appendix 10 does not currently provide a comprehensive package of works to be carried out in order to restore the fitness to run. By introducing modularisation, this problem is solved. Modularisation supports the further digitalisation.
1.4. Does this concern a recognised code of practice* (e.g. ISO, EN)?
<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (state which): <small>* "a written set of rules that, when correctly applied, can be used to control one or more specific hazards." (Source: Regulation (source: Regulation EC 402/2013, Article 3)</small> <small>"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". (Source: BMJ Handbuch der Rechtsförmlichkeit – guide published by German Ministry of Justice)</small>

2. Target situation

2.1. Elimination of anomaly/problem (solution sought)
See below point 3

3. Additional text (relates only to proposed amendments to GCU Appendix 10):

Colour codes for amendment proposals:

Black: Currently applicable text; provides information and remains unchanged

Red: New text

Blue: (may be crossed out): Text to be deleted

Symbols are used as follows:

→ Link to other section of the GCU

Communication between keeper and workshop

Documentation of the work acc. to app. 10 annex 6

Note: if changes of the annex 6 are required, they have to be named below.

The damage codes of section 2 of this amendment proposal will be updated in the three languages in table in the introduction.

Damage code Appendix 9	Measures to restore the fitness to run
1.8.1.2 Loss of lubricant grease or oil discharge on the wheel centre	M01.004: Examination and handling of wheelsets with grease leak
Code d'anomalie Annexe 9	Mesures pour rétablir l'aptitude à la circulation
1.8.1.2 Perte de lubrifiant, projection de graisse ou d'huile sur la toile de roue	M01.004 : Examen et traitement d'essieux avec fuite de graisse
Schadcode Anlage 9	Maßnahmen zur Wiederherstellung Lauffähigkeit
1.8.1.2 Schmiermittel, Fett-Ölspritzer auf der Radscheibe	M01.004: Untersuchung und Behandlung von Radsätzen mit Fettaustritt

EN**M01.004: Examination and handling of wheelsets with grease leak**

Technical requirements:	-
Organisational preparations:	-
No.	Work tasks, technical target state and additional notes
1.	Inspect the axle box: <ul style="list-style-type: none"> Cracks, breakages or damages on the axle box which could provoke loss of grease No loose or missing screws (If applicable, ask the keeper for instructions→ M00.001) <i>Additional notes: If the wheelset is replaced →M01.001, the further process steps do not have to be executed</i>
2.	Assessment of the areas subject to loss of grease: <ul style="list-style-type: none"> Quality requirements and actions to be taken in accordance with →Annex 5
3.	<input checked="" type="checkbox"/> Keeper to be informed: <ul style="list-style-type: none"> Wagon number, wheelset number, position of the wheelset in the vehicle, lubricant area <i>Additional notes: The decision on whether to replace the wheelset lies with the wagon keeper. Where appropriate, replace wheelset →M01.001; If the wheelset is replaced, the further process steps do not have to be executed.</i>
4.	Wipe away grease: <ul style="list-style-type: none"> Clean surface without use of chemicals (wipe away). If necessary, marking in accordance with keeper's instructions

FR**M01.004 : Examen et traitement d'essieux avec fuite de graisse**

Conditions techniques :	-
Mesures préparatoires :	-
n°	Contenu de l'intervention, état technique théorique et autres indications
1.	Examiner la boîte d'essieu : <ul style="list-style-type: none"> Des fissures, des cassures ou des dommages sur la boîte d'essieu qui pourraient provoquer une fuite de graisse Ni vis desserrées ni vis manquantes (Le cas échéant, demander les instructions au détenteur →M00.001) <i>Indications complémentaires :-si l'essieu est remplacé →M01.001, les autres étapes de travail ne doivent pas être effectuées</i>
2.	Évaluation des zones de fuites de graisse : <ul style="list-style-type: none"> - Exigences de qualité et mesures à prendre conformément à →Appendice 5.
3.	<input checked="" type="checkbox"/> Information du détenteur : <ul style="list-style-type: none"> Numéro du wagon, numéro de l'essieu, position de l'essieu dans le véhicule, zone <i>grasse à communiquer</i> <i>Indications complémentaires : La décision de remplacer l'essieu revient au détenteur. Si nécessaire, remplacer l'essieu →M01.001 ; si l'essieu est remplacé, les autres étapes de travail ne doivent pas être effectuées.</i>
4.	Essuyer la graisse <ul style="list-style-type: none"> Nettoyer la surface sans produits chimiques (essuyer) Si nécessaire, marquage selon les instructions du détenteur

DE

M01.004: Untersuchung und Behandlung von Radsätzen mit Fettaustritt

Technische Voraussetzungen:	-
Organisatorische Vorbereitungen:	-
Nr.	Arbeitsinhalt, technischer Sollzustand und sonstige Hinweise
1.	<p>Radsatzlager untersuchen:</p> <ul style="list-style-type: none"> • Risse, Brüche oder Beschädigungen am Radsatzlager, die einen Fettaustritt verursachen können • keine losen oder fehlenden Schrauben (sofern zutreffend, Anweisung des Halters einholen →M00.001) <p><i>Sonstige Hinweise: Wenn der Radsatz ersetzt wird → M01.001, die weiteren Arbeitsschritte sind dann nicht auszuführen</i></p>
2.	<p>Bewertung der Zonen des Fettaustritts:</p> <ul style="list-style-type: none"> • Qualitätsanforderungen und Maßnahmen gemäß →Anhang 5.
3.	<p><input checked="" type="checkbox"/> Halter informieren:</p> <ul style="list-style-type: none"> • Wagennummer, Radsatznummer, Position des Radsatzes im Fahrzeug, Fettzone übermitteln <p><i>Sonstige Hinweise: Die Entscheidung über den Ersatz des Radsatzes liegt beim Halter. Ggf. Radsatz ersetzen →M01.001; wenn der Radsatz ersetzt wird, sind die weiteren Arbeitsschritte nicht auszuführen</i></p>
4.	<p>Fett abwischen</p> <ul style="list-style-type: none"> • Oberfläche ohne chemische Mittel reinigen (abwischen) • Ggf. Kennzeichnung gemäß der Anweisung des Halters

4. Reason:

Transforming the measures of GCU Appendix 10 into the new modular design

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:

This measure describes the good practice in maintenance and should not have a positive or negative effect on operations, costs, administration, interoperability, competitiveness, but presents an increase on safety.

6. Safety appraisal of proposed amendment

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

Performance of risk analysis is unnecessary where only recognised standards are implemented.

Risk analysis conducted by:

6.1. Does the change have an impact on safety?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
No change of the content	
6.2. Is the change significant?	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes
No change of the content	
6.3. Determining and classifying risk	<input checked="" type="checkbox"/> N/A
6.3.1. Effect of change in normal operation: No change of the content	
6.3.2. Effect of change in the event of disruption/deviation from normal operation: No change of the content -	
6.3.3. Potential misuse of system: No change of the content	
<input checked="" 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
For each type of risk, one of the following risk acceptance criteria is to be selected: <ul style="list-style-type: none"> • Code of practice • Use of reference system • Explicit risk assessment 	
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]