

Svensson Bolennarth

Från: didier.turlier@lohr.fr
Skickat: den 8 april 2016 16:41
Till: Svensson Bolennarth; juergen.westphaeling@tuev-sued.de
Kopia: pascal.wagner@lohr.fr
Ämne: articulation angles when coupling is installed on trailer
Bifogade filer: pic31627.jpg; MHR_Simu_Angle_VerticalAxis.pdf; EHR_Simu_Angle_HorizontalAxis.pdf; pic06467.jpg; pic29541.jpg

Dear both of you

I wish also to give some clarification about the question of articulation angles when coupling is installed but for trailer

We have made some simulations with different vehicle types that we produce and I am sending to you the attached drawings

The vertical axis rotation angle is only +/-83.9° with MHR vehicle (see MHR_Simu_Angle_VerticalAxis), the front cross member gets in contact with tractor unit side

The horizontal axis rotation angle is only 6.6° with EHR vehicle (see EHR_Simu_Angle_HorizontalAxis.pdf). The value when opening the angle is larger In fact this angle considers empty vehicle. When the vehicle is loaded, upper decks with carried cars are in lifted position, the articulation angle may be even lower.

The design angle relative to the horizontal axis to avoid pay-load collision in service is considered as 5 degree.

I will not be able to join you at Paderborn and may be you will present the values and the corresponding drawings to the experts.

We plan to make the dynamic coupling load measurement with car carrier vehicle with classT coupling in May and I will present the results during the next meeting

Best regards

(Embedded image moved to file: pic31627.jpg) LOHR Industrie Didier Turlier | Structural Analysis Manager LOHR Industrie Siège social / Headquarters : 29 rue du 14 juillet - F-67980 HANGENBIETEN Site de production / Industrial plant : Avenue de la Concorde - F-67120 DUPPIGHEIM Adresse postale / PO Box : BP1 Hangenbieten - F-67838 TANNERIES Cedex Bureau : +33 (0)3 88 38 99 53 didier.turlier@lohr.fr | <http://www.lohr.fr/>

(See attached file: MHR_Simu_Angle_VerticalAxis.pdf)(See attached file: EHR_Simu_Angle_HorizontalAxis.pdf)

----- Réacheminé par Didier TURLIER/DUPPIG/LOHR le 08/04/2016 15:53 -----

"Algüera,Jose

Manuel"

<jose.algueera@jo

A

st-world.com>

Svensson Bolennarth

<bolennarth.svensson@vbggroup.com>,

29/03/2016 17:19

"Alan Feltham

(alan.feltham@safholland.com)"

<alan.feltham@safholland.com>,

Alberto Musso <A.Musso@anfia.it>,

"Anders Gunneriussson

(anders.gunneriusson@transportstyre

lsen.se)"

<anders.gunneriusson@transportstyre

lsen.se>, András Máttyás

<AndrasiM@bpw.hu>, "Andreas Schauer

(andreas.schauer@vdma.org)"

<andreas.schauer@vdma.org>, Antonio

Erario <antonio.erario@mit.gov.it>,

"Benno van Ittersum

(benno.van.ittersum@brink.eu)"

<benno.van.ittersum@brink.eu>,

"Carlo Tagliaferri

(c.tagliaferri@orlandi.it)"

<c.tagliaferri@orlandi.it>,

"didier.turlier@lohr.fr"

<didier.turlier@lohr.fr>,

"Dominique Lescaïl

(dominique.lescaïl@utac.com)"

<dominique.lescaïl@utac.com>,

"g.broeckling@waptech.de"

<g.broeckling@waptech.de>, "Jan

Stokreef (jstokreef@rdw.nl)"

<jstokreef@rdw.nl>, Jaumouille

Philippe

<Philippe.Jaumouille@rtn-goett.com>
, "Jean-Yves Bozec
(jeanyves.bozec@pommier.fr)"
<jeanyves.bozec@pommier.fr>,
"Joachim Zander
(joachim.zander@bg-verkehr.de)"
<joachim.zander@bg-verkehr.de>,
Jürgen Wästphäling
(juergen.westphaeling@tuev-sued.de)
<juergen.westphaeling@tuev-sued.de>
, "Luigi Grassi
(l.grassi@orlandi.it)"
<l.grassi@orlandi.it>,
"m.domagala@steelpress.eu"
<m.domagala@steelpress.eu>, "Mike
Lowe (Mike.Lowe@dft.gsi.gov.uk)"
<Mike.Lowe@dft.gsi.gov.uk>, "Peter
Friedrich Hansen
(peter-friedrich.hansen@kba.de)"
<peter-friedrich.hansen@kba.de>,
"Renato Borghi
(rborghi@cbmspa.com)"
<rborghi@cbmspa.com>, "Riesterer,
Michael"
<Michael.Riesterer@safholland.com>,
"Robert Schreck
(robert.schreck@safholland.de)"
<robert.schreck@safholland.de>,
"Roy Addo
(Roy.Addo@dft.gsi.gov.uk)"
<Roy.Addo@dft.gsi.gov.uk>, Teyssier
Pierre <Pierre.Teyssier@volvo.com>,
thierry preud'homme
<thierry.preudhomme@pommier.fr>,
Tony Hayes
<TonyH@fontaineurope.com>, "Werner
Conrads (wconrads@tuev-nord.de)"
<wconrads@tuev-nord.de>, "Zygmunt

Lewko (w.lewko@pimot.org.pl)"
<w.lewko@pimot.org.pl>
cc

Objet
AW: List of items and waiting list

Dear experts,
please find attached a reworded proposal for a clarification of the question of articulation angles for fifth wheels when installed on a vehicle.

Mit freundlichem Gruß / Kind Regards

José Manuel Algüera
Leiter Produktentwicklung Trailer
Vice President Product Development Trailer

Phone: +49 (0) 6102 295 214
Fax: +49 (0) 6102 295 207
E-Mail: jose.algueera@jost-world.com

(Embedded image moved to file: pic06467.jpg)

JOST-Werke Deutschland GmbH
Siemensstraße 2, 63263 Neu-Isenburg, Germany
Phone: +49 6102 295-0 Fax: +49 6102 295-298 www.jost-world.com

Handelsregistereintrag: Amtsgericht Offenbach am Main, HRB 42105 Sitz der Gesellschaft: Neu-Isenburg

USt-IdNr.: DE246602284

Geschäftsführung: Lars Brorsen, Dr. Ralf Eichler, Alexander Kleinke

Von: Svensson Bolennarth [mailto:bolennarth.svensson@vbggroup.com]

Gesendet: Dienstag, 29. März 2016 15:09

An: Alan Feltham (alan.feltham@safholland.com); Alberto Musso; Anders Gunneriusson (anders.gunneriusson@transportstyrelsen.se); András Máttyás; Andreas Schauer (andreas.schauer@vdma.org); Antonio Erario; Benno van Ittersum (benno.van.ittersum@brink.eu); Carlo Tagliaferri (c.tagliaferri@orlandi.it); didier.turlier@lohr.fr; Dominique Lescail (dominique.lescail@utac.com); g.broeckling@wapttech.de; Jan Stokreef (jstokreef@rdw.nl); Jaumouille Philippe; Jean-Yves Bozec (jeanyves.bozec@pommier.fr); Joachim Zander (joachim.zander@bg-verkehr.de); Algüera, Jose Manuel; Jürgen Wästphäling (juergen.westphaeling@tuev-sued.de); Luigi Grassi (l.grassi@orlandi.it); m.domagala@steelpress.eu; Mike Lowe (Mike.Lowe@dft.gsi.gov.uk); Peter Friedrich Hansen (peter-friedrich.hansen@kba.de); Renato Borghi (rborghi@cbmspa.com); Riesterer, Michael; Robert Schreck (robert.schreck@safholland.de); Roy Addo (Roy.Addo@dft.gsi.gov.uk); Svensson Bolennarth; Teyssier Pierre; thierry preud'homme; Tony Hayes; Werner Conrads (wconrads@tuev-nord.de); Zygmunt Lewko (w.lewko@pimot.org.pl)

Betreff: List of items and waiting list

Dear Experts,

The list of items as well as the waiting list are now updated and uploaded to the webpage. New documents are allocated to some of the different items. Please note that items not having a new document allocated since our last meeting are unlikely to be agreed at the our next meeting.

Best Regards

Bolennarth Svensson, PhD
Business Engineer Coupling Equipment
(Embedded image moved to file: pic29541.jpg)

VBG GROUP TRUCK EQUIPMENT AB
Herman Kreftings gata 4
Box 1216
SE-462 28 Vänersborg

Tel +46 521 27 81 26
Fax +46 521 27 77 94
Mobile +46 706 17 72 17
E-mail bolennarth.svensson@vbggroup.com

[rattachement "R55_12_06-Item 25 Minimum articulation angles of couplings mounted to the vehicles 160329-Jost.docx" supprimé par Didier TURLIER/DUPPIG/LOHR]