

JASTI Update dummy specification

ISO/TC22/SC12/WG5

2013/1 1/14 Troy

JASTI Co., Ltd.



Information from Others

- WorldSID50 development
- Hybrid-III Rib Development update.
- EuroSID-2, ES-2re Abdominal Insert

World SID 50

	Sep.l	Oct.	Nov.	Dec.	Jan.2014.	Feb..	Mar.
Head ass'y	3D review →	Mold refined Production	Repeat test And refine				
Neck Ass'y	Test and Review	Rubber Spec confirmed.	Production	Repeat test →			
Shoulder Rib Chest Rib Abdominal Rib	Simulation by different material. Rib proto production	Single rib test New Rib set from test Results	Damping material study Waiting for New IR-TRACC	Full body test Stability test →			
Pelvis Ass'y		Two different models	Full body test	Production and test →			
Others			Evaluation test			Summary	

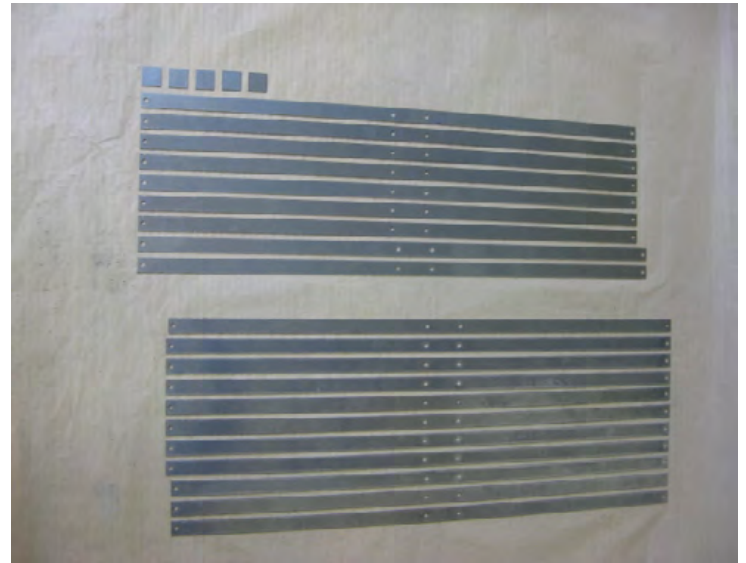
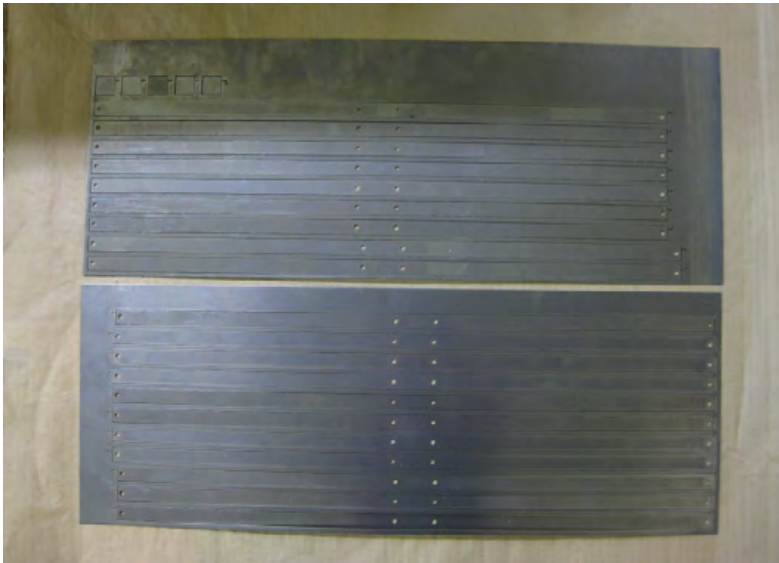
- New IR-TRACC sensor required for further full body test.

Hybrid-III Rib Development update

To meet High/Low speed impact certification.

(1).Reviewed Rib steel sheet .
(within specification)

(2).Cut into as precise width
with small test piece



Hybrid-III Rib Development update

To meet High/Low speed impact certification.

(3). Heat Treatment with fixed jig (4). Check shape & hardness
to take off inner stress. No twist,

(No Spring back)

H-III 50 HRC44-46

H-III 5F HRC44-48



New Rib set

To meet High/Low speed impact certification.

(5).New damping material

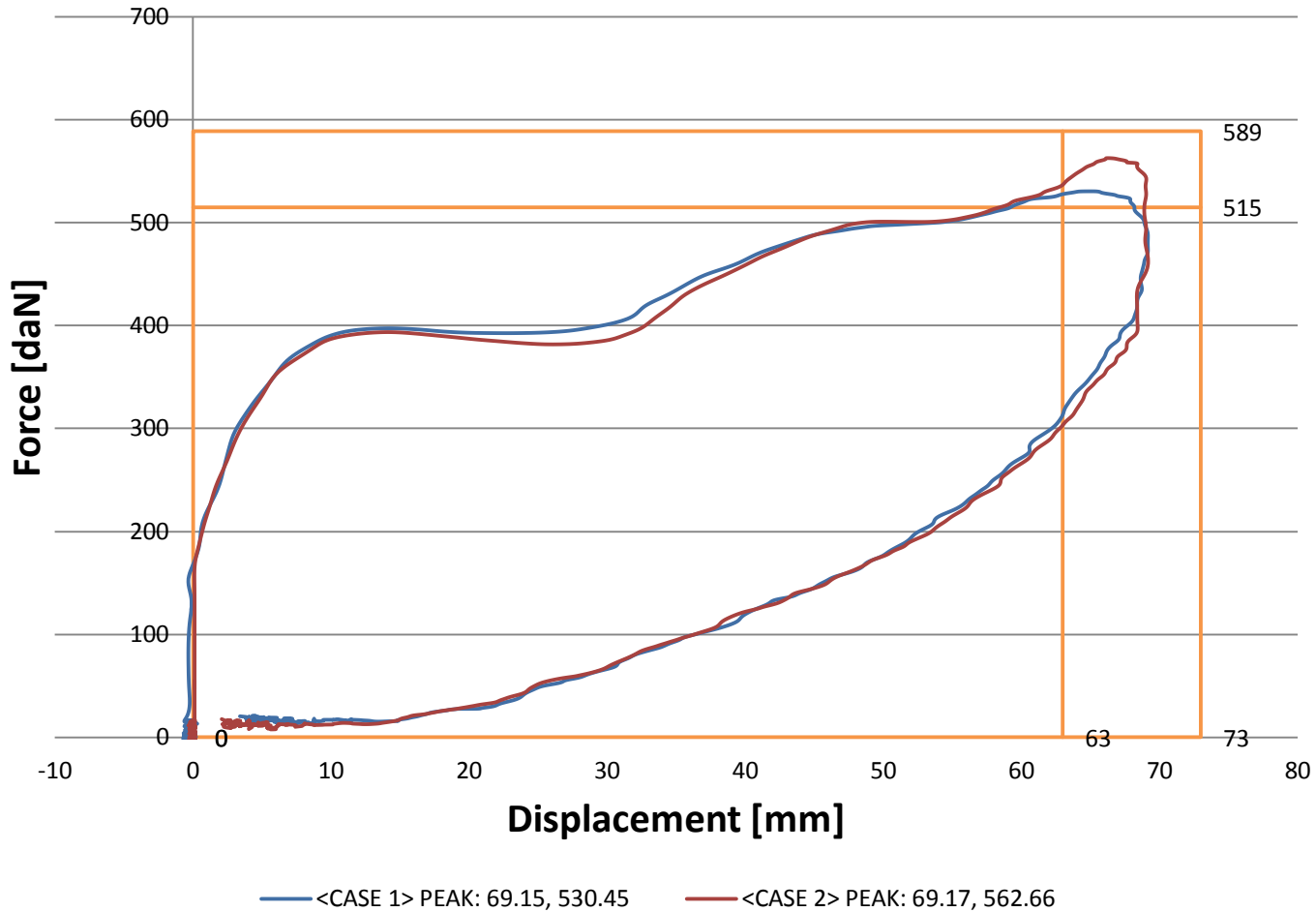
(6). Rib Assembly set

1set (No.1-No.6)



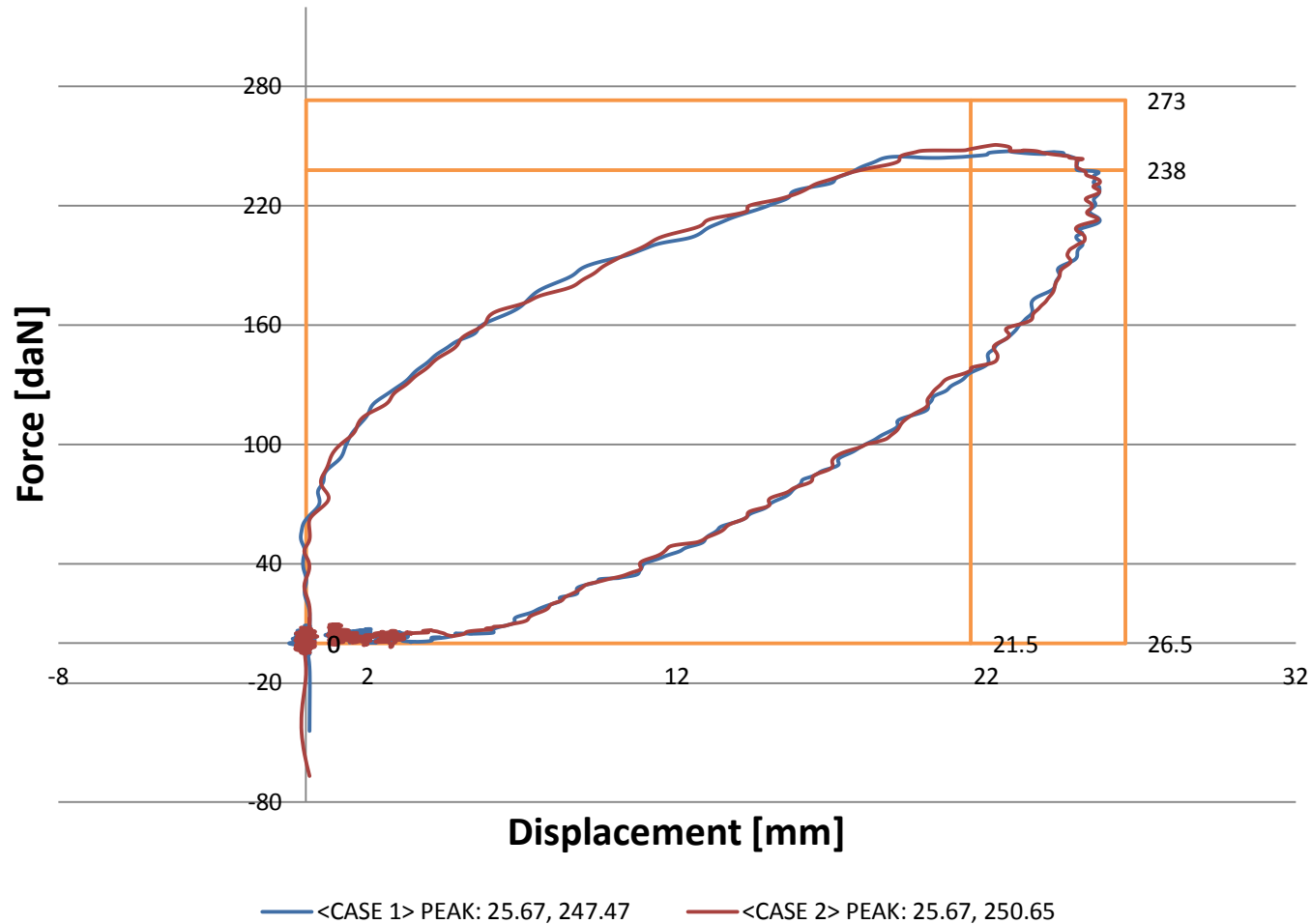
Hybrid-50th Rib High/Low speed test

HybridIII 50th Rib High Speed Test



Hybrid-50th Rib High/Low speed test

HybridIII 50th Rib Low Speed Test



EuroSID-2, ES-2re Abdominal Insert

(1).To meet the requested corridor.

Original specified materials; unstable results

Main block; Polyurethane

Ballast ; Polyurethane + Lead or equivalent

New materials; (**No Lead by Environmental reason**)

Vinyl + Polyurethane

Polyurethane EL



EuroSID-2, ES-2re Abdominal Insert

(2). Easy handling; not breakable by taking out.

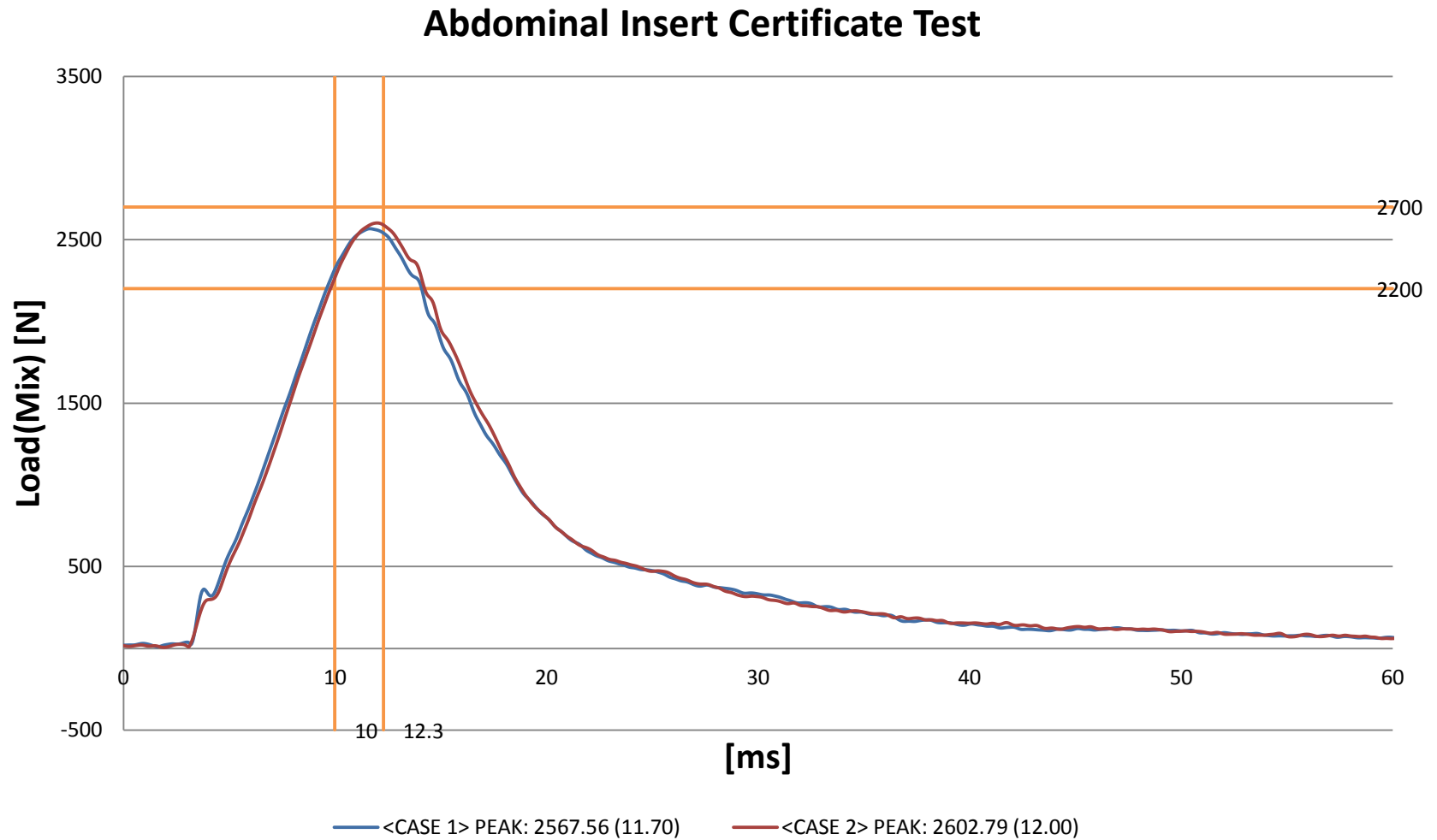
Current problem by others; Easy crack、Broken



New Production method; No broken by opening

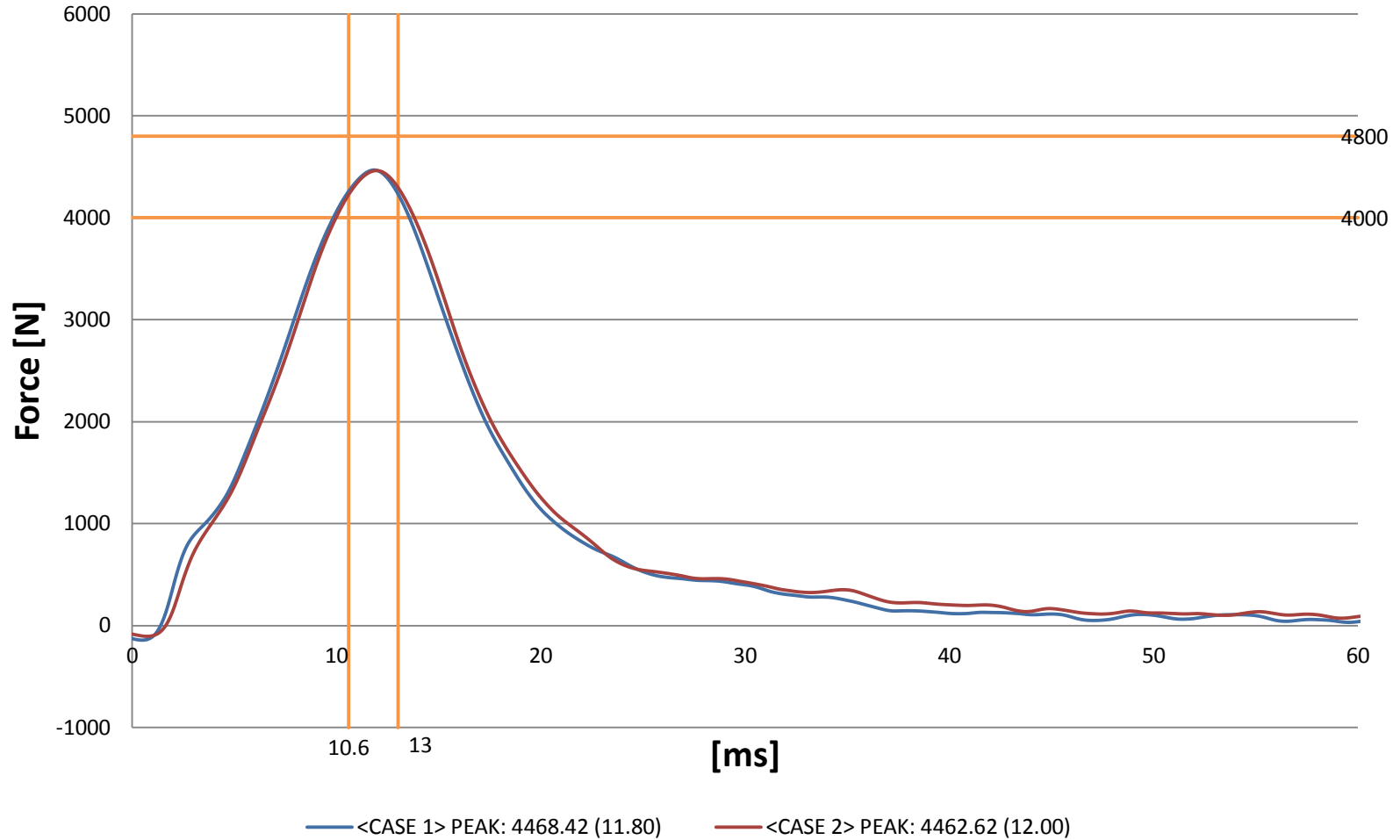


Abdominal Insert Certification Test



Abdominal Insert Certification Test

Abdominal Insert Certificate Test



Thank You

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