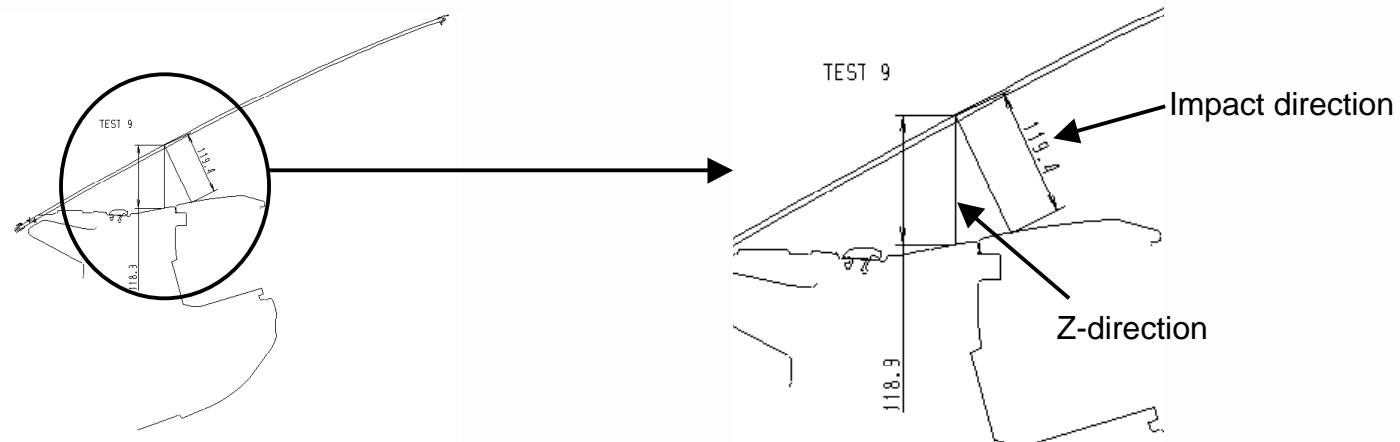


Test object

- n A left drive executive car
- n Instrument panel “shell” and cross beam mounted
- n Load case:
 - n **EEVC WG 17 Adult headform 4.8 kg**
 - n **40 km/h**
 - n **65° to horizontal plane impact angle**
 - n **Requirement HIC < 600**

Impact locations/distance to IP

#	Test No.	HIC ₁₅	Distance to A-pillar	Distance to lower structure	Distance to IP z-dir/impact dir [mm]
1	L3078	441	125 mm	290 mm	123,8/132,4
2	L3079	3593	Y600	20 mm	9/9,6
3	L3080	2346	Y0	28 mm	3,2/3,4
4	L3081	577	130 mm	290 mm	123,6/131,9
5	L3082	3883	270 mm	110 mm	38,1/42,6
6	L3083	4553	Y0	40 mm	8,6/9,2
7	L3084	2258	270 mm	150 mm	58,9/62,5
8	L3085	958	170 mm	210 mm	88,9/106,9
9	L3086	556	200 mm	290 mm	118,9/119,4
10	L3087	372	200 mm	290 mm	145,4/184,4
11	L3106	393	82.5	290 mm	No IP
12	L3107	2510	480 mm	82.5	No IP



Conclusions

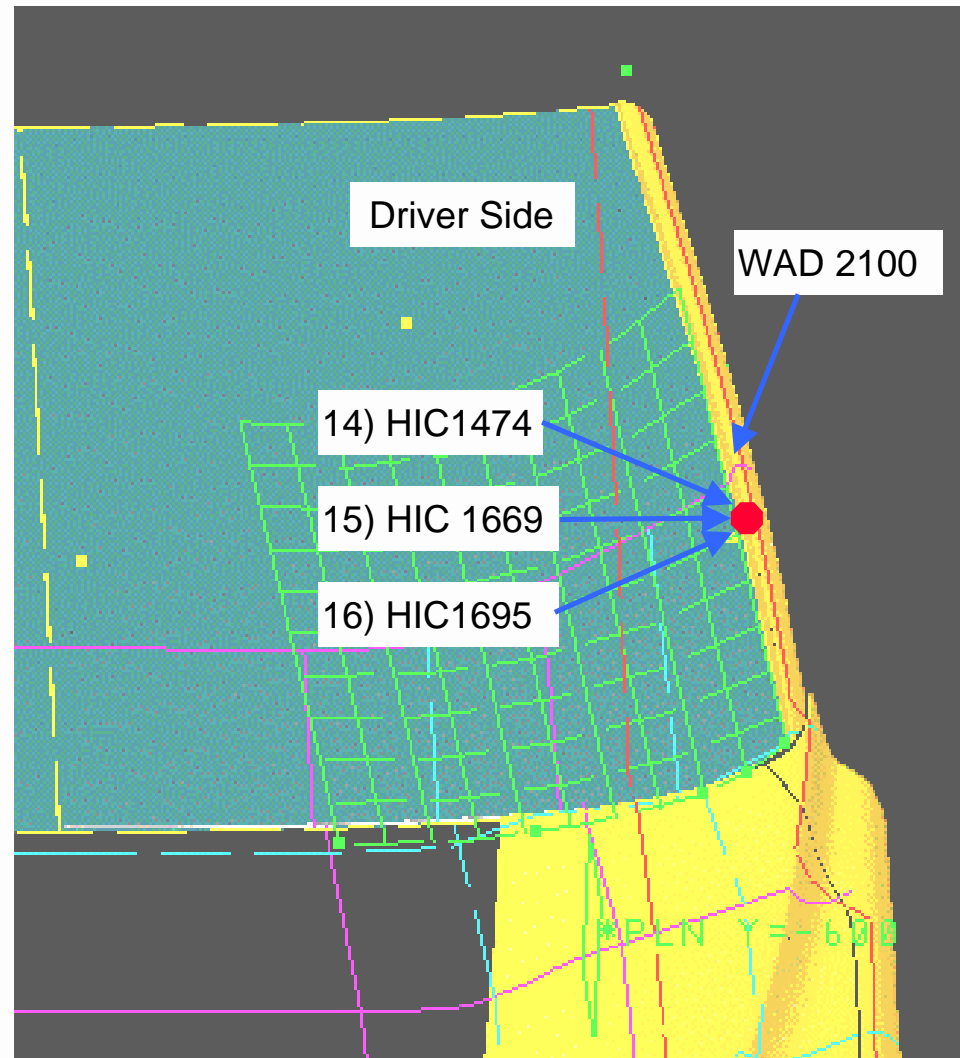
- n HIC values above 600 occur when
 - n Distance between windscreen and IP (or other hard structure) < 120 mm in z-direction and or 130 mm in impact direction
 - n Impact closer than 82.5 mm from hard structure

Test object

INF GR PS 103

- n A left drive executive car
- n Load case according to Euro-NCAP
 - n EEVC WG 17 Adult headform 4.8 kg
 - n 20 km/h
 - n 65° to horizontal plane impact angle
 - n Requirement HIC < 600

Test results overview



● Impact point HIC < 600

Test matrix and results

#	Test No.	HIC ₁₅	HIC value intervall	Velocity	Angle	Desired position	Impact position
				Impact velocity	Impact angle	All measurement from A-pillar flange and lower structure	Actual position of the centre of the crater
			ms	20±0.7 km/h	65 ± 2[degrees]		
Test on A-Pillar 20							
13	L3103	1474	416-419	17,17	66,5	A-pillar 300 mm from lower structure	As desired
14	L3104	1669	412-414	17,68	66,5	A-pillar 300 mm from lower structure	As desired
15	L3105	1695	410-413	18,57	66,5	A-pillar 300 mm from lower structure	As desired