

Texturoptimerade vägbeläggningar

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VTI

TRV Seminarium i Solna 2012-12-12



A photograph of a residential street with cars and trees. The street is paved with asphalt and has white dashed lines. Several cars are visible, including a red car in the foreground and a black car further back. The street is lined with tall, leafy green trees. On the left, there is a white building with a red roof. On the right, there is a sidewalk and a grassy area. The sky is overcast.

Tunnskiktsbeläggningar

Thin Asphalt Layers (TAL)

TAL characteristics

15-25 mm thick (max 30 mm)

Widely used in Denmark, whenever noise reduction is desired

May be dense but may also have substantial air voids

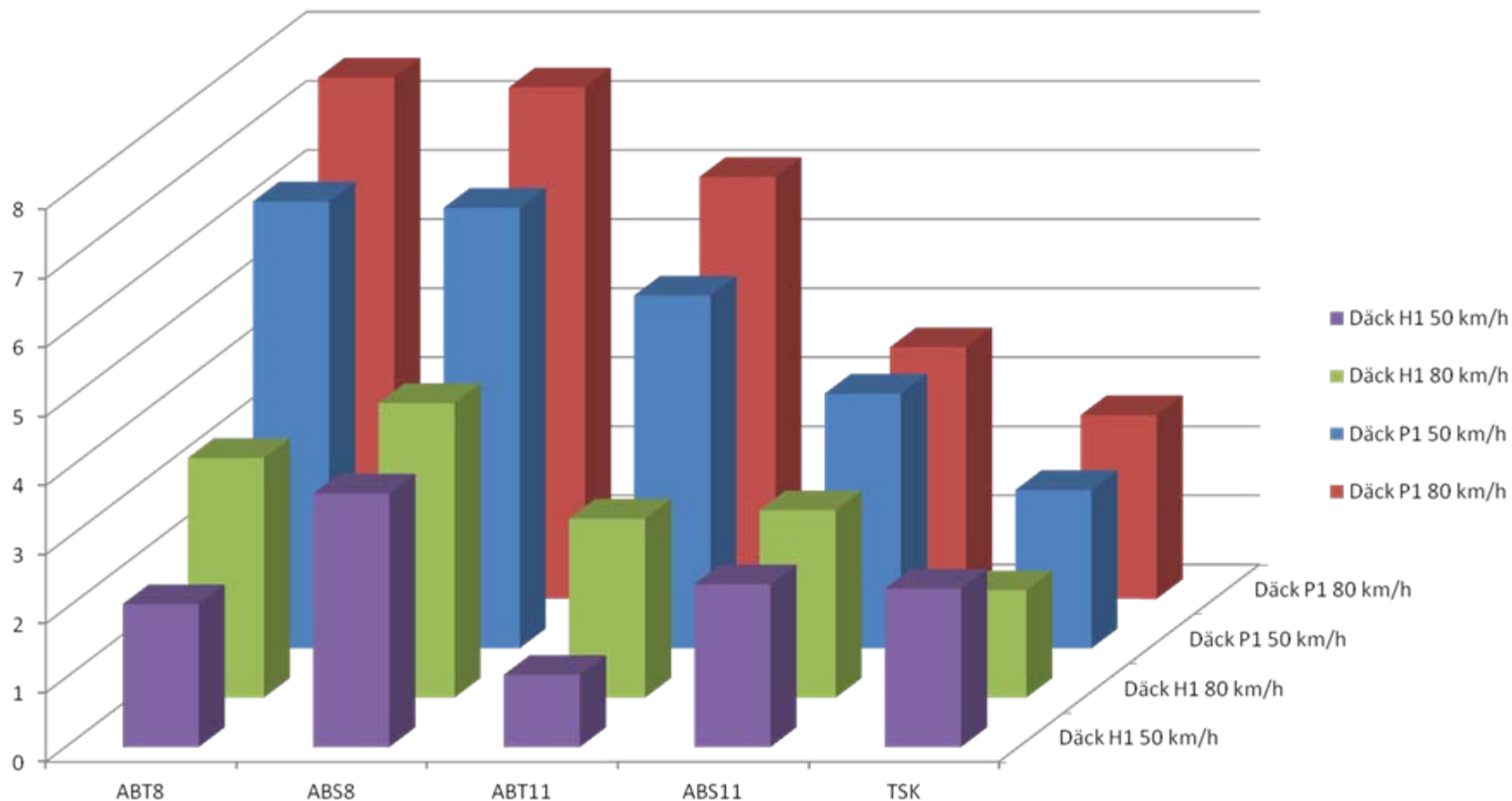
Texture optimized; i.e. small aggregate, and negative texture profile

Even small aggregate may create sufficient macrotexture for wet grip



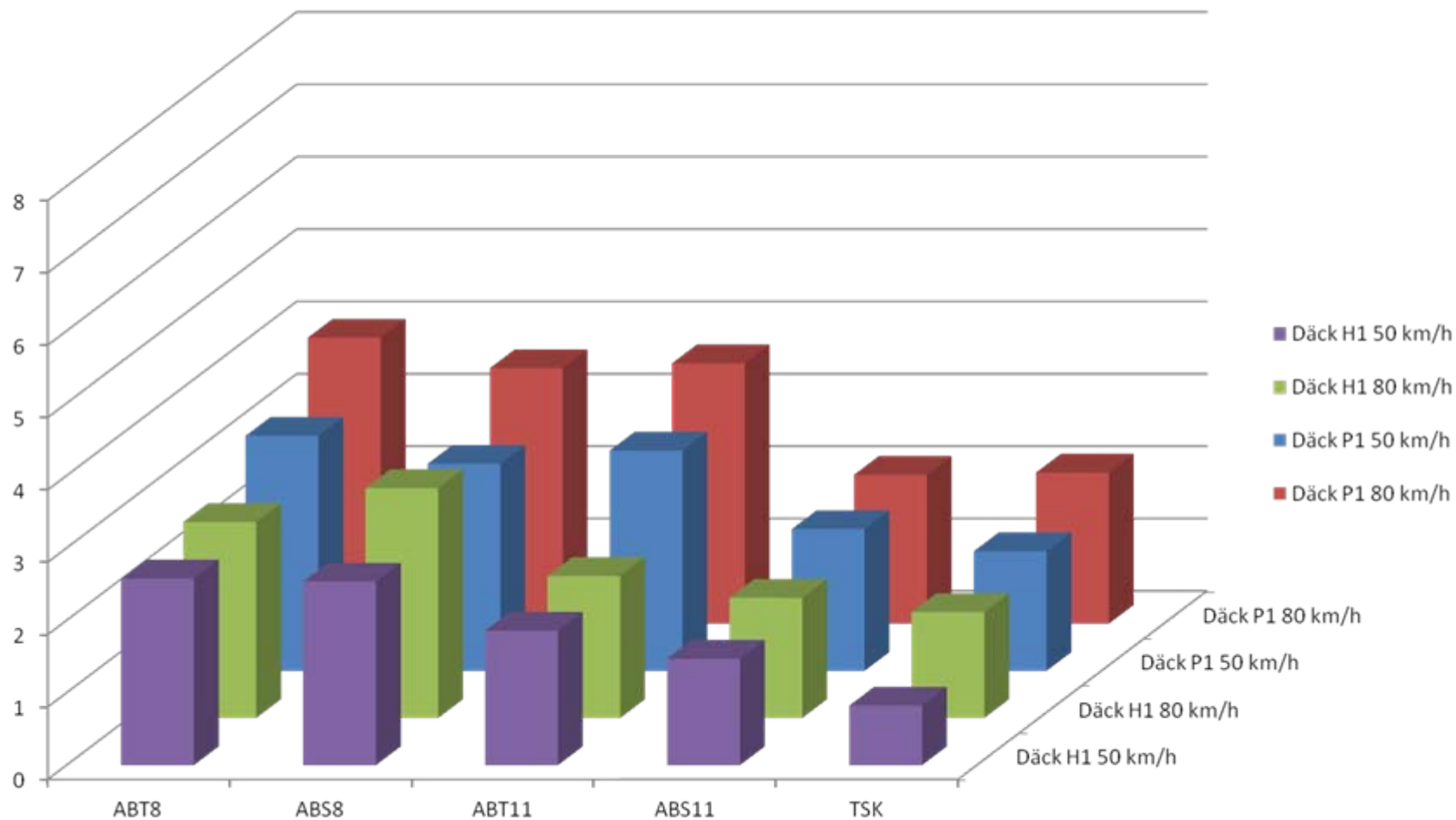
RV13 Höör & RV11 Tomelilla & E22 Hörby (ref) År 2010 (nylagda)

Bullerreduktion jämfört med ABS 16 på E22 vid Hörby, i A-viktade dB



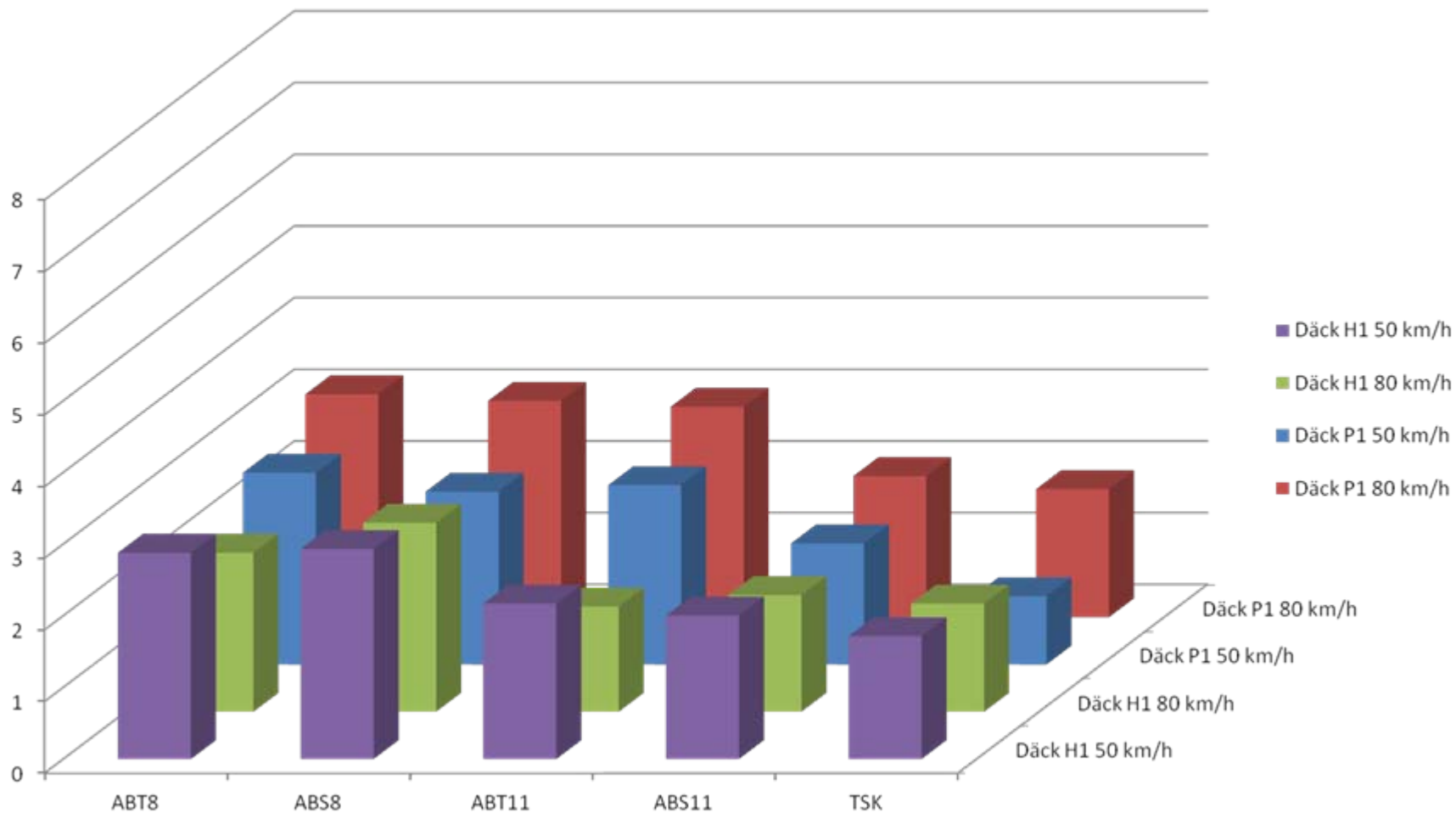
RV13 Höör & RV11 Tomelilla & E22 Hörby (ref) År 2011 (ett år gamla)

Bullerreduktion jämfört med ABS 16 på E22 vid Hörby, i A-viktade dB



RV13 Höör & RV11 Tomelilla & E22 Hörby (ref) 2012 (två år gamla)

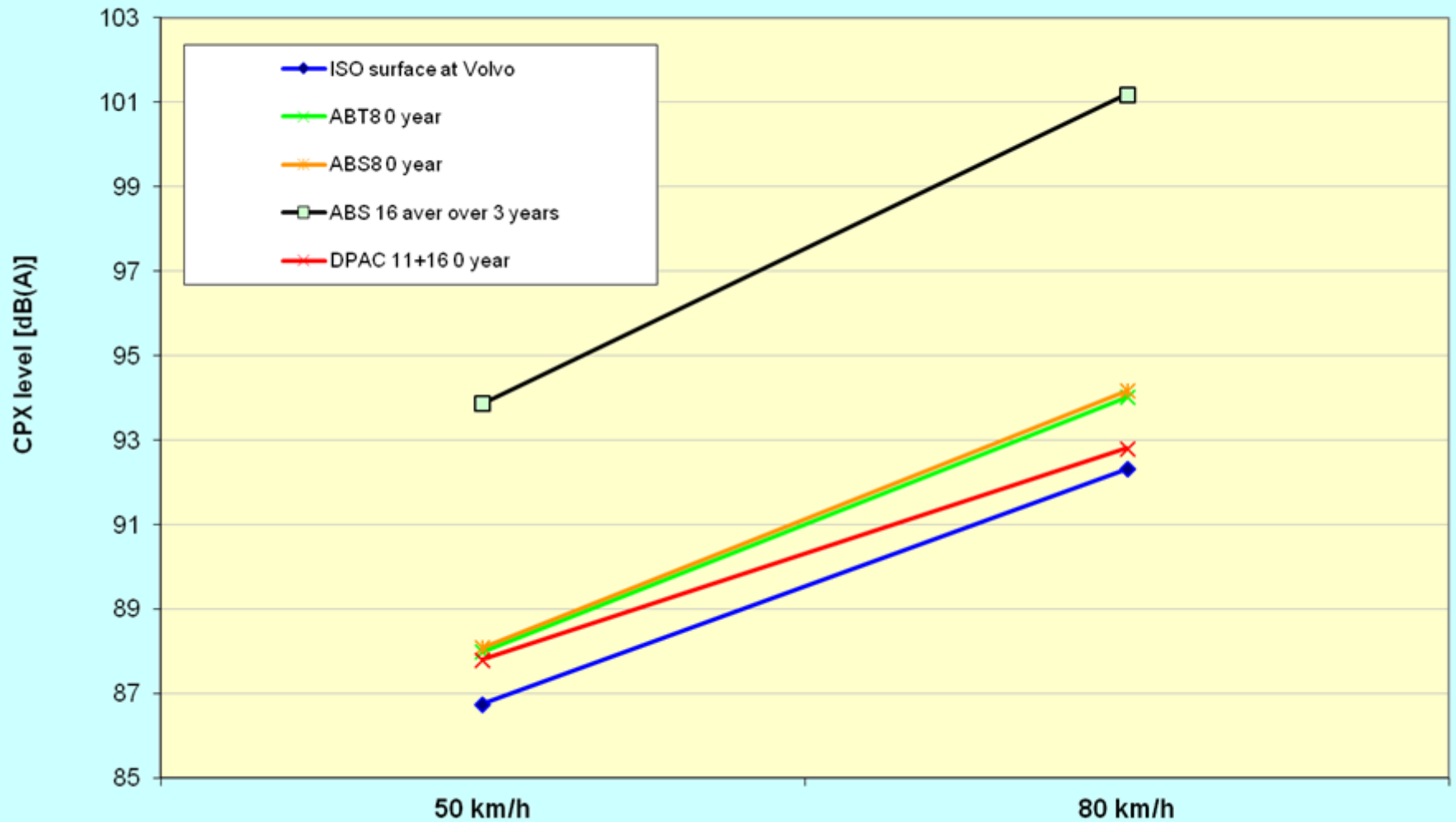
Bullerreduktion jämfört med ABS 16 på E22 vid Hörby, i A-viktade dB



ISO 10844 surface at Volvo compared to in-service roads

Tyre P1

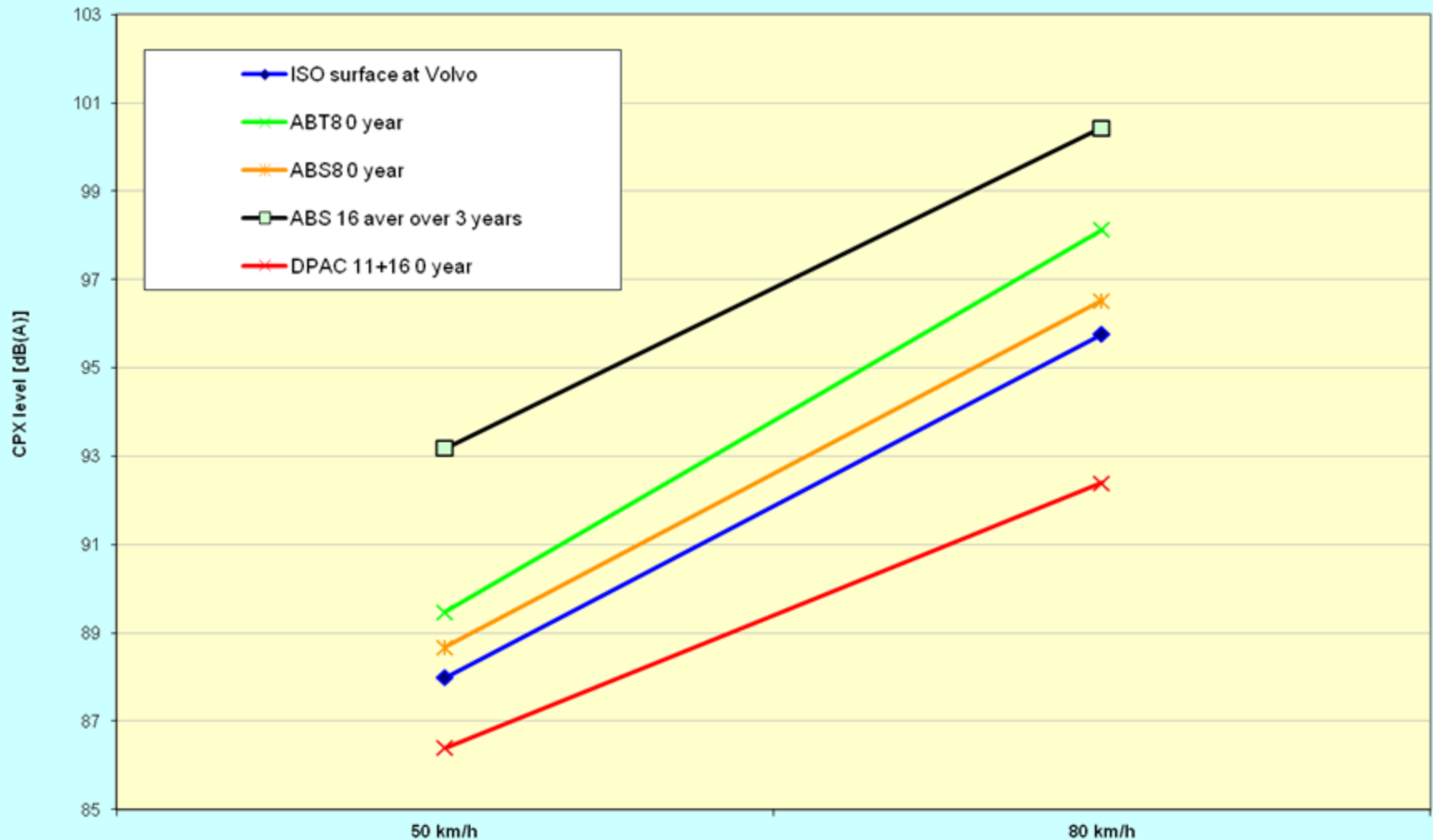
Comparison of Volvo ISO track with real road surfaces - SRTT



ISO 10844 surface at Volvo compared to in-service roads

Tyre H1

Comparison of Volvo ISO track with real road surfaces - AAV4

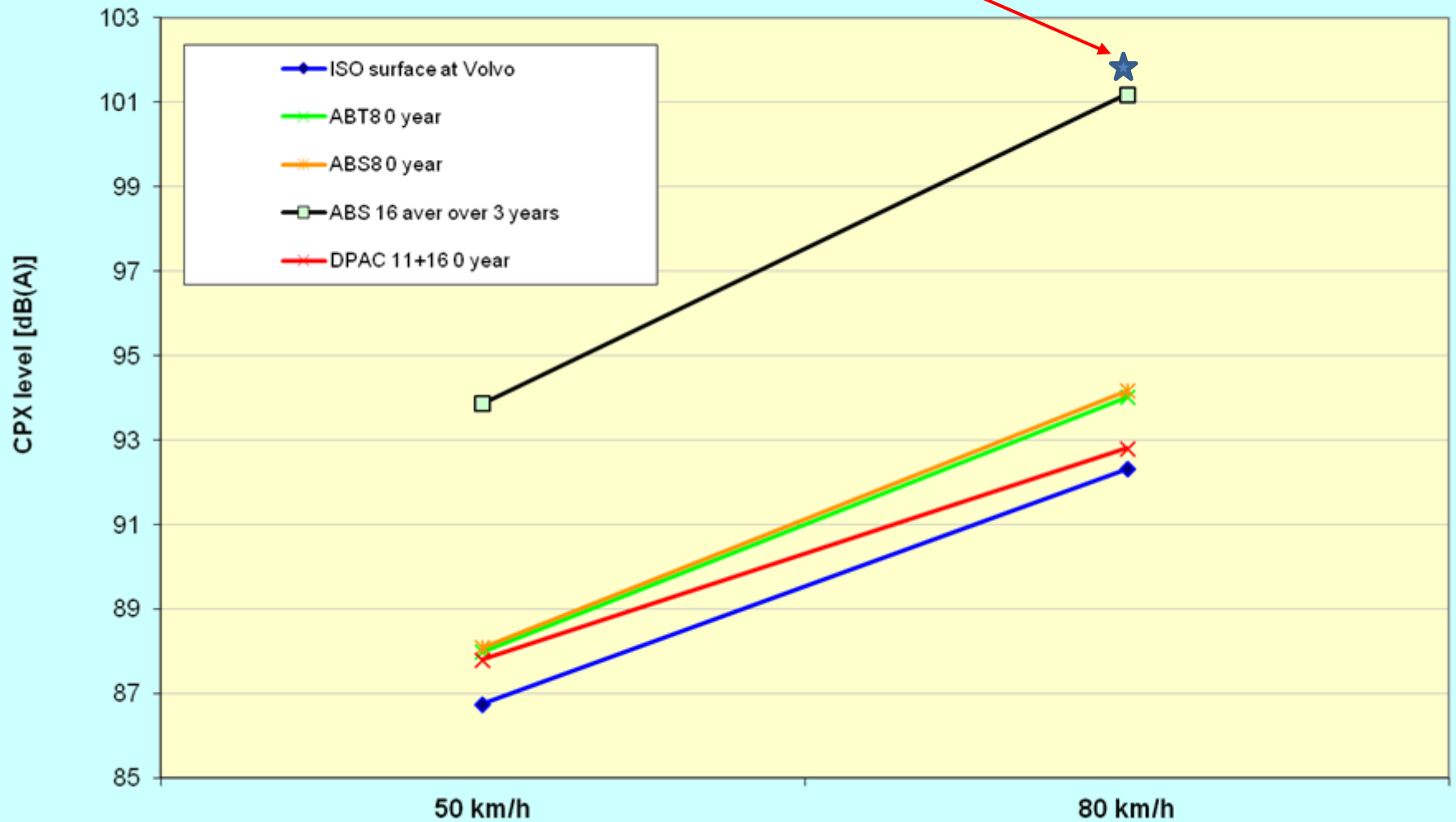




E4 Uppsala: slipad cementbetong – USA-concept

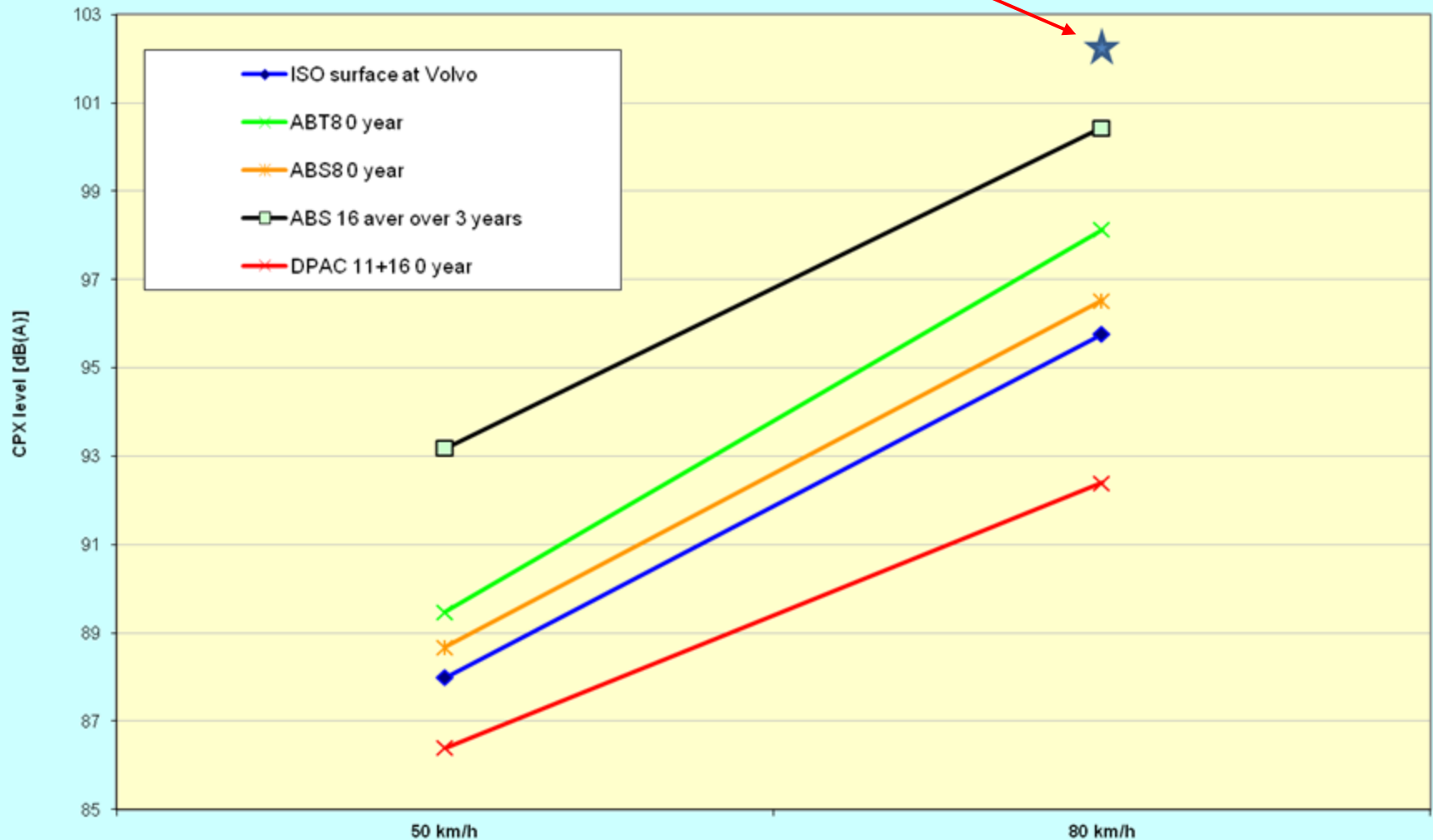
Slipad cementbetong (E4 Uppsala) belägenhet jfrt med några andra beläggningar - Tyre P1

Comparison of Volvo ISO track with real road surfaces - SRTT



Slipad cementbetong (E4 Uppsala) belägenhet jfrt med några andra beläggningar - Tyre H1

Comparison of Volvo ISO track with real road surfaces - AAV4

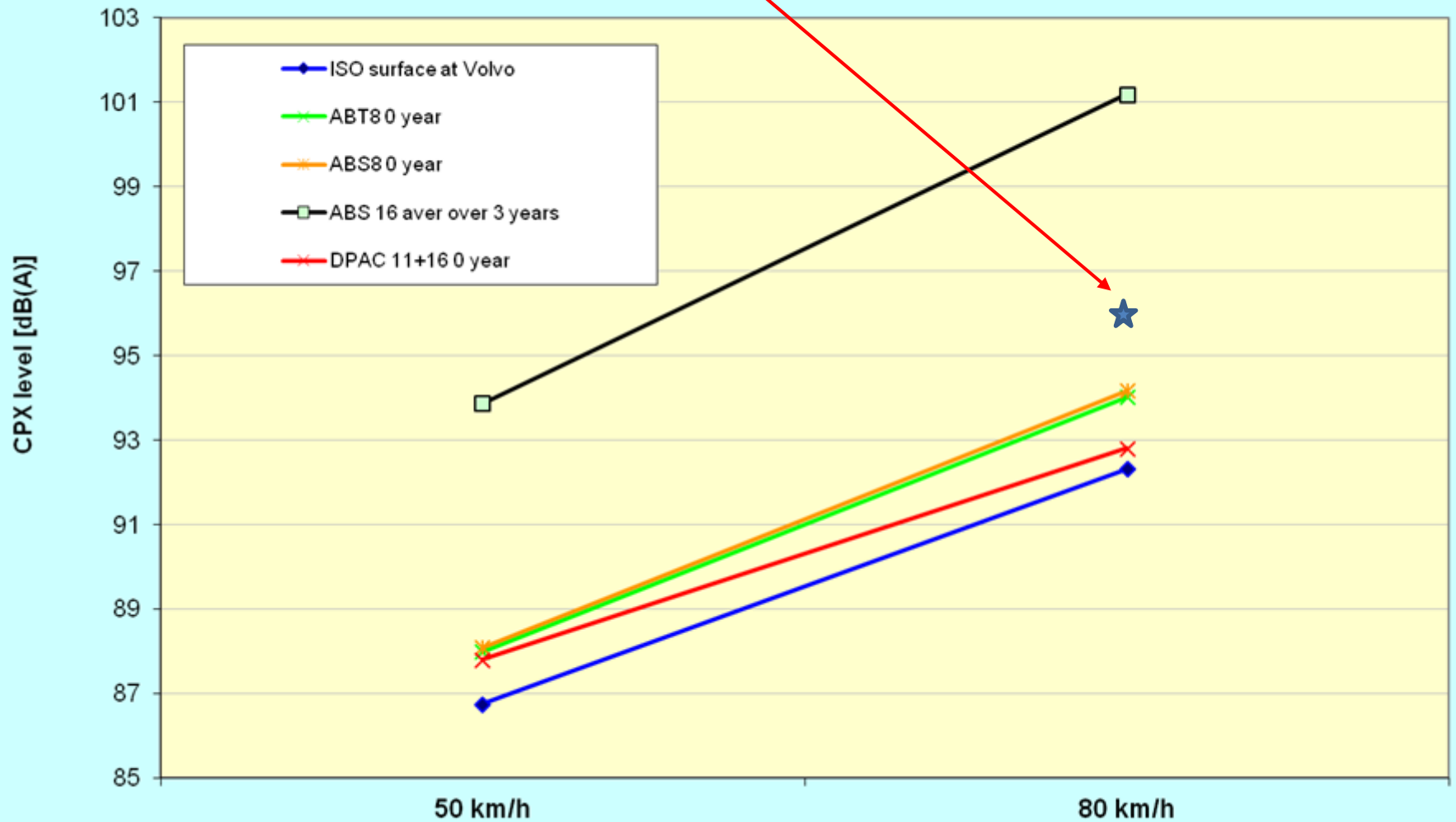




Arlanda: slipad cementbetong

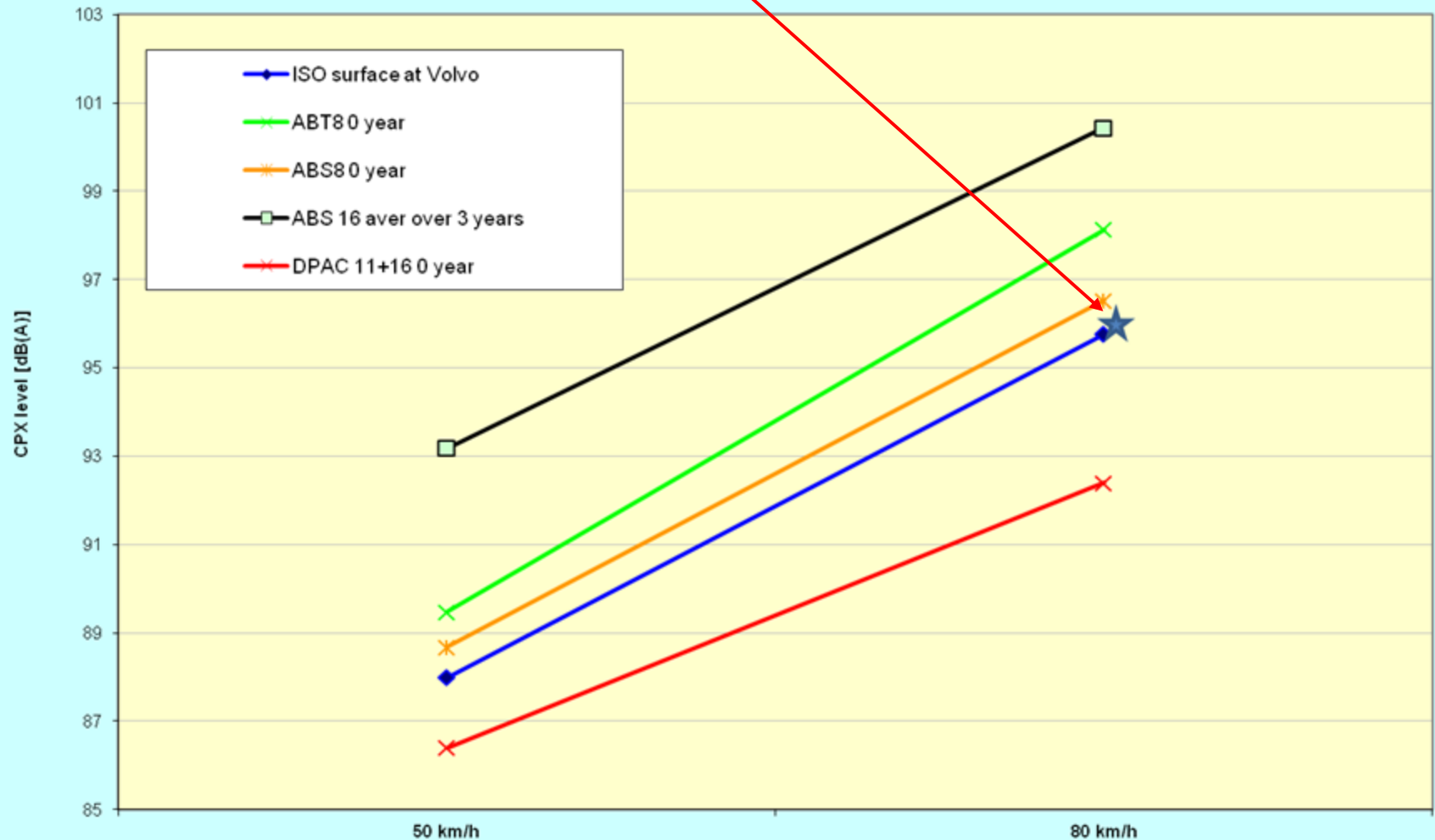
Slipad cementbetong (Arlanda) belägenhet jfrt med några andra beläggningar - Tyre P1

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Slipad cementbetong (Arlanda) belägenhet jfrt med några andra beläggningar - Tyre H1

Comparison of Volvo ISO track with real road surfaces - AAV4



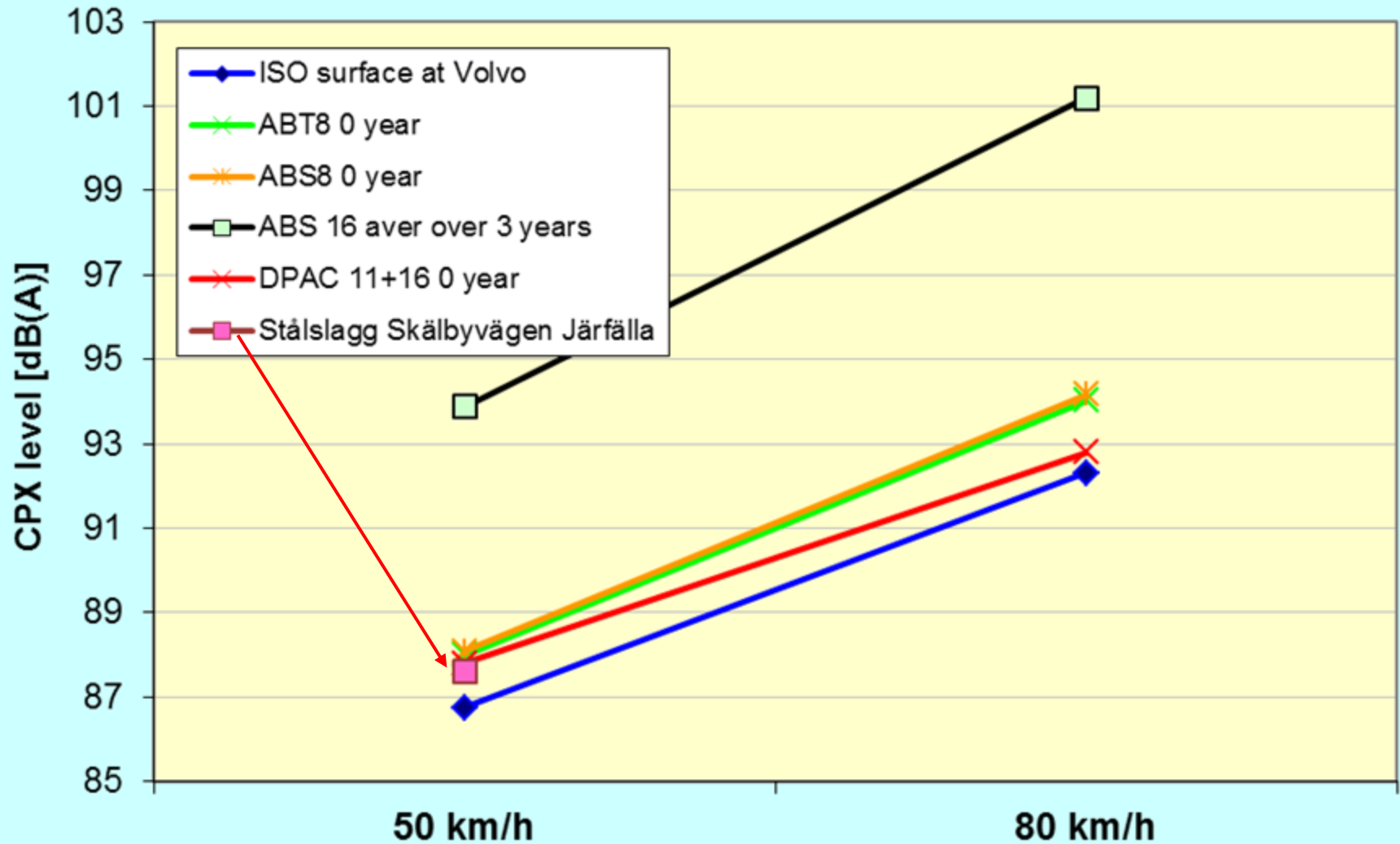
A photograph of a paved road in Järfälla, Sweden. A silver car is driving away from the camera on the left side of the road. The road is lined with trees and a green fence on the left. The sky is blue with some clouds. The text "Järfälla stålslagg" is overlaid at the bottom.

Järfälla stålslagg

Stålslaggens belägenhet jfrt med några andra beläggningar

Tyre P1

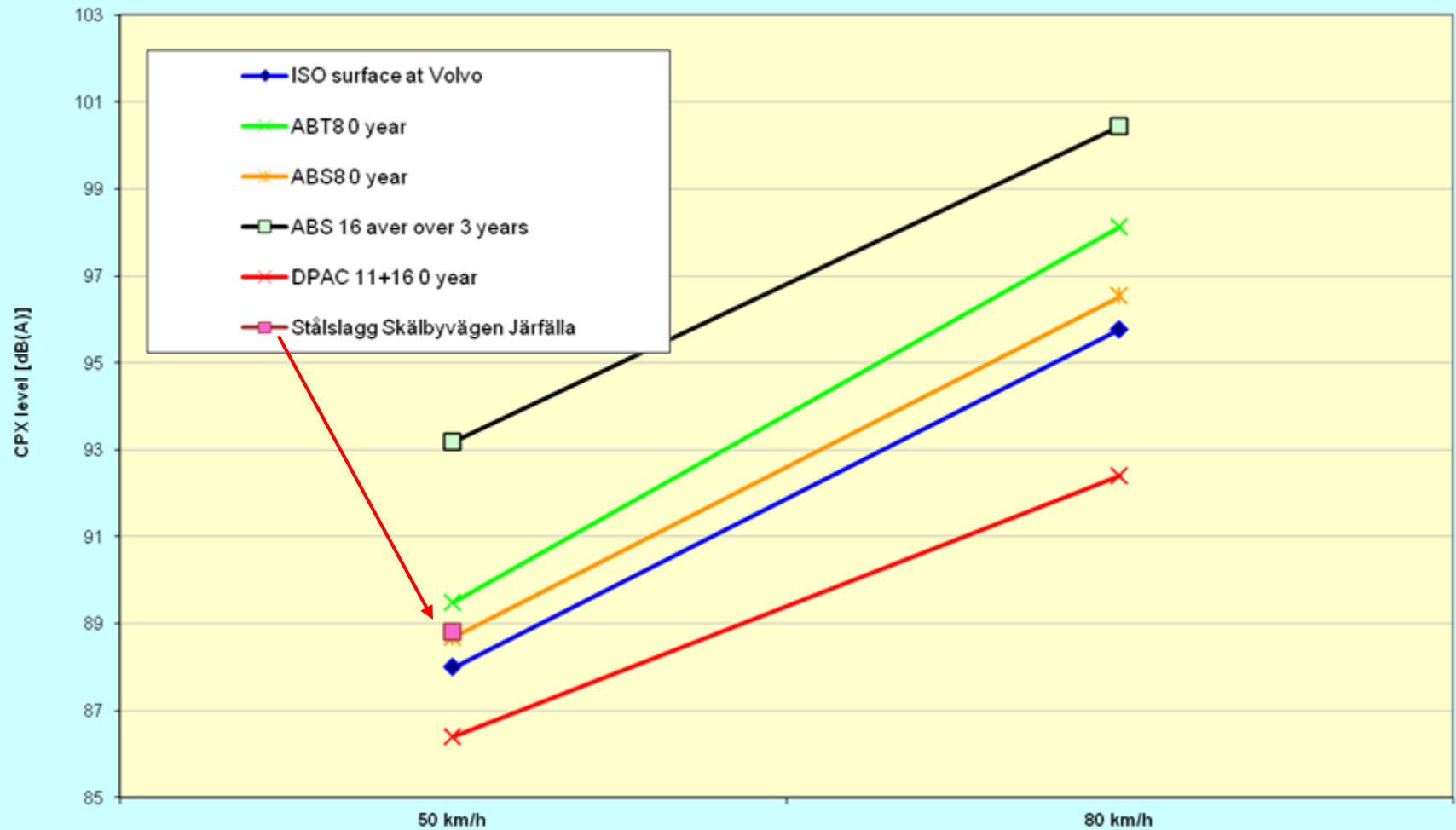
Comparison of Volvo ISO track with real road surfaces - SRTT



Stålslaggens belägenhet jfrt med några andra beläggningar

Tyre H1

Comparison of Volvo ISO track with real road surfaces - AAV4



Andra (kritiska) egenskaper än buller att beakta

Rullmotstånd – bra samband RR – MPD

Beständighet (problem)

Friktion

Partikelemission (problem)

Ekonomi