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FOUNDATION  
for CIVIL ENGINEERING DEVELOPMENT

# INTRAS / Norauto inspections

Awareness of safe driving

International Seminar GAMBIT

Gdansk, 23-25 April 2008



Międzynarodowe  
Seminarium

**GAMBIT  
2008**



WYKONAWCZĄCA

**INTRAS**



Instituto Universitario de  
Tráfico y Seguridad Vial  
UNIVERSITAT ID VALÈNCIA



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# Safety triangle

BRAKING SYSTEM

TIRES

DAMPERS



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YOUR WAY 2 LA PRIORITÉ



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## Inspection of vehicle technical condition

**50%** de los vehículos que acuden a un taller Norauto tienen el sistema de **frenado** en mal estado.

50% of vehicles left in NORAUTO centres had very bad condition of breaking system.

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VOUS AUZ LA PRIORITE



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## Inspection of vehicle technical condition



72% of vehicles left in NORAUTO centres had a worn-out suspension system.

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VOUS AVIS LA PRIORITÉ



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## Inspection of vehicle technical condition

**35%** de los vehículos que acuden a un taller Norauto tienen menos de 1,6mm. de profundidad en el dibujo de sus **neumáticos.**  
(1,6mm es el límite legal)

35% vehicles left in NORAUTO centres had less than 1,6 mm of tread



YOUR WAY 2 LA PROSPERITÉ



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# Risk estimation from driver's point of view

PARTS OF SAFETY TRIANGLE	REAL RISCK LEVEL		RISC LEVEL FROM DRIVER'S POINT OF VIEW
	CONDITION	CONSEQUENCES	LOW or VERY HIGH
	MINIMUM TREAD POINT	MEDIUM RISCK LEVEL	<b>55,6%*</b>
	BELOW MINIMUM TREAD POINT	HIGH RISCK LEVEL	<b>30,4%</b>
	EFFETED	MEDIUM RISCK LEVEL	<b>59%</b>
	WORN OUT	HIGH RISCK LEVEL	<b>49,1%</b>
	EFFETED or	MEDIUM AND	
	WORN OUT	HIGH RISCK LEVEL	<b>36%</b>

\* 55,6% kierowców prowadzących pojazdy z oponami w złym stanie określało ryzyko jazdy jako małe bądź bardzo małe, podczas gdy eksperci oceniali poziom ryzyka jako wysoki bądź bardzo wysoki



YOUR WAY TO A PROBLEM



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VOUS VOUS ÊTEZ PRIORITÉ

## CONCLUSION

