PACCAR Australia



Technology Developments Brad May

Product Development Manager













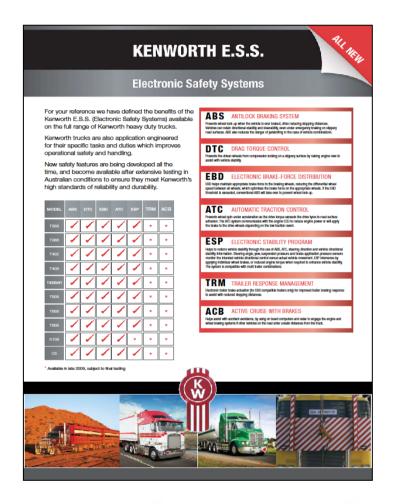




KENWORTH Innovation Truck

























- ABS Antilock Braking System
- ATC Automatic Traction Control
- DTC Drag Torque Control
- EBD Electronic Brake-Force Distribution

















(EBD) Electronic Brake Force Distribution

- Monitors Wheel Speed under Braking
- Optimises brake force by reducing differential wheel speed between all wheels.

















- ABS Antilock Braking System
- ATC Automatic Traction Control
- DTC Drag Torque Control
- EBD Electronic Brake-Force Distribution
- ESP Electronic Stability Program

















(ESP) Electronic Stability Program

- Helps to restore vehicle stability through the use of ABS, ATC, EBD.
- Monitors intended vehicle directional control versus actual vehicle movement.
 - Applies individual wheel brakes, or reduces engine torque
- Compatible with multi-trailer combinations.



















WITHOUT Bendix Stability



WITH Bendix Stability

- ABS Antilock Braking System
- ATC Automatic Traction Control
- DTC Drag Torque Control
- EBD Electronic Brake-Force Distribution
- ESP Electronic Stability Program
- TRM Trailer Response Management











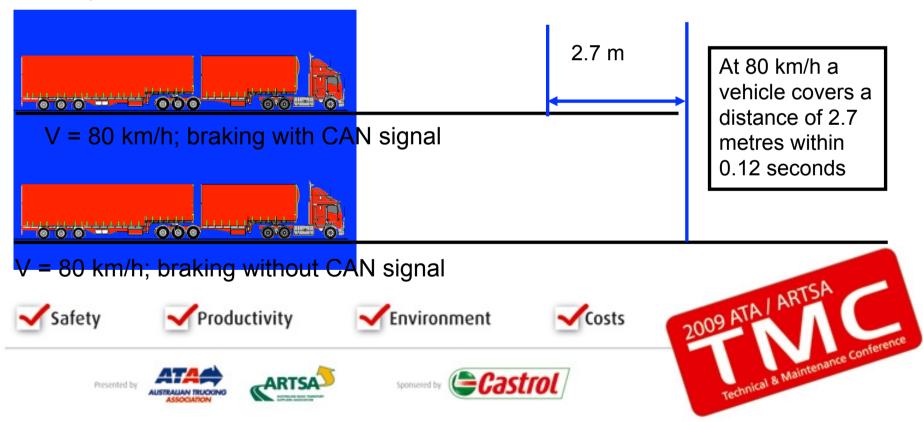






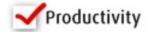
(TRM) Trailer Response Management

 Translates pneumatic signal from the brake valve into electronic signal for trailer EBS system.



- ABS Antilock Braking System
- ATC Automatic Traction Control
- DTC Drag Torque Control
- EBD Electronic Brake-Force Distribution
- ESP Electronic Stability Program
- TRM Trailer Response Management
- ACB Active Cruise with Braking

















(ACB) Active Cruise with Braking

 Assists with accident avoidance with Cruise Control by maintaining a safe distance to lane traffic.











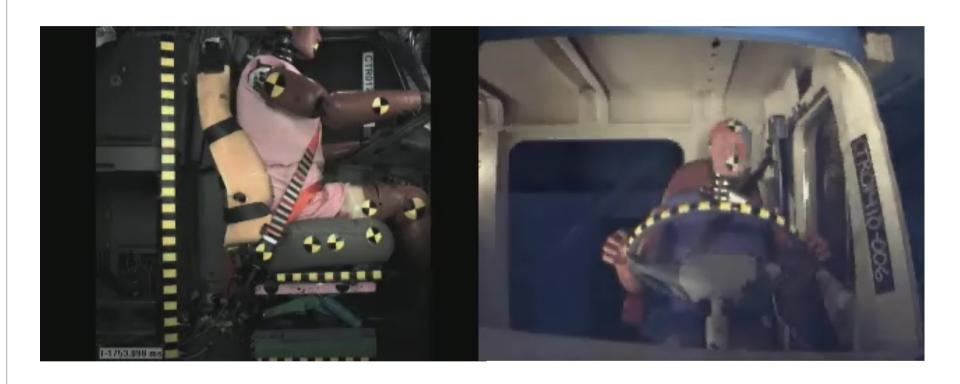








Roll Over Curtain Airbag System



















Alternative Fuels

- LNG
 - Westport HPDI



















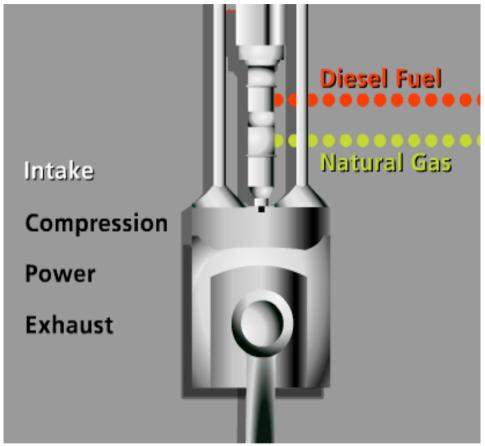








HPDI Technology

















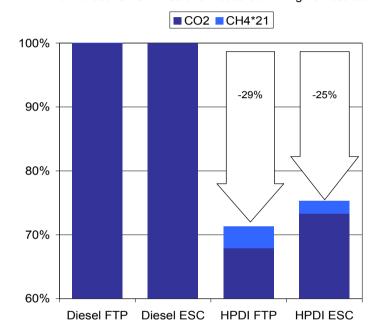




HPDI Emissions

- 25% GHG reduction on ESC test and 29% reduction on FTP
- PM at 50% of base diesel engine

Normalised GHG Emissions Measured In Engine Test Cell

























Alternative Fuels

- LNG
 - -Westport HPDI
- Hybrid
 - Eaton























Hybrid Technology





















Hybrid Technology

H ydraulic L aunch **A** ssist

















