Biofuels and passenger cars – today and tomorrow

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GM alternative propulsion strategy

- Improved Vehicle Fuel Economy & Emissions
- Displace Petroleum
- IC Engine and Transmission Improvements
- Hybrid Electric Vehicles (incl. Plug-In HEV)
- Hydrogen Fuel Cell
- Battery Electric Vehicles (E-Flex)

Energy/Fuel Diversity
- Petroleum (Conventional & Alternative Sources)
- Bio Fuels (Ethanol E85, Bio-diesel)
- Electricity (Conventional & Alternative Sources)
- Hydrogen
The Saab Bio Power success story – #1 of environmental vehicles in Sweden

<table>
<thead>
<tr>
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<th>Jan-June</th>
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<tbody>
<tr>
<td>Saab BioPower</td>
<td>6822</td>
</tr>
<tr>
<td>Ford Flexfuel</td>
<td>4505</td>
</tr>
<tr>
<td>Volvo Flexfuel</td>
<td>3829</td>
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<tr>
<td>Toyota Hybrid</td>
<td>1233</td>
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<tr>
<td>Volvo BiFuel</td>
<td>713</td>
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The chart shows the sales figures for various types of vehicles from January to June. Saab BioPower leads with 6822 units sold, followed by Ford Flexfuel with 4505 units, Volvo Flexfuel with 3829 units, Toyota Hybrid with 1233 units, and Volvo BiFuel with 713 units.
Why is Saab 9-5 BioPower a successful product?
Saab BioPower – why bioethanol?

- Ecological impact
- Bioethanol is available today
- Simplicity for customer
- Low investments for distributors
- Compatibility with other technologies
- Great improvement capacity
Biofuels offer significant CO2 reductions on a source to wheels basis + Energy Diversity and Independence

CNG  Compressed Natural Gas
CBG  Compressed Bio-Gas
CHP  Combined Heat and Power
NG GT Natural Gas Turbine

Note: Ethanol = 100%
Saab BioPower – the future
Summary

- We have to change the transport system for the future
- There are options available to make a difference already today
- Policy, industry and consumer needs to work together for a successful introduction
- We know that it is possible to make a change. Sweden is a good example!

WHY WAIT?
Thank you!