Promoting Cleaner Used Vehicles in Africa

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Current Situation
Used Vehicles Key Issue

• Used vehicles a key issue for most African countries
• In East Africa 70% of GHG emissions coming from transport sector
• Providing opportunities and challenges
• Quality of cars being exported (diesel)
• Link to road safety
• System approach - fuels issues/ maintenance/ urea/ ....
Top 10 vehicles importing countries in Africa import ~800,000 vehicles

<table>
<thead>
<tr>
<th>Country</th>
<th>Number of passenger vehicles</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Benin</td>
<td>303,395</td>
<td>37%</td>
</tr>
<tr>
<td>Nigeria</td>
<td>223,608</td>
<td>27%</td>
</tr>
<tr>
<td>Ghana</td>
<td>69,247</td>
<td>8%</td>
</tr>
<tr>
<td>Kenya</td>
<td>57,036</td>
<td>7%</td>
</tr>
<tr>
<td>South Africa</td>
<td>50,422</td>
<td>6%</td>
</tr>
<tr>
<td>Tanzania</td>
<td>28,173</td>
<td>3%</td>
</tr>
<tr>
<td>Guinea</td>
<td>27,585</td>
<td>3%</td>
</tr>
<tr>
<td>Cameroon</td>
<td>26,848</td>
<td>3%</td>
</tr>
<tr>
<td>Togo</td>
<td>24,119</td>
<td>3%</td>
</tr>
<tr>
<td>Uganda</td>
<td>20,527</td>
<td>2%</td>
</tr>
</tbody>
</table>
Examples

• More than 42 million used cars in Africa (2014)
• Mainly Japan (RHD) and Europe (LHD) + bit US
• Imports of used vehicles higher than new - Kenya 96% and Nigeria 99%
• internet based sales (-Nigeria 90%)
Country Examples

- Uganda - The average age of diesel cars 16.4 years; and petrol cars 15.4 years (2014)
- Kenya – 96% of cars imported are used; 8 year max results in relatively young fleet
- Liberia – 90% used vehicles, 10% annual growth rate
Mauritius

- CO2 tax/ feebate scheme from 2011
- In 9 years cars efficiency approved by about 20%
- 50% discount excise duty on (H)EV
- (H)EV gone up from 43 to 1832 (2009 to 2014)
- 3 years max used vehicles age limit
### Country Examples—Mauritius (2016)

<table>
<thead>
<tr>
<th>Type</th>
<th>Current</th>
<th>New</th>
</tr>
</thead>
<tbody>
<tr>
<td>Conventional</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Up to 550 cc</td>
<td>15%</td>
<td>0</td>
</tr>
<tr>
<td>551-1000 cc</td>
<td>55%</td>
<td>45%</td>
</tr>
<tr>
<td>1001-1600 cc</td>
<td>55%</td>
<td>50%</td>
</tr>
<tr>
<td>1601-2000 cc</td>
<td>75%</td>
<td>No change</td>
</tr>
<tr>
<td>Above 2,000 cc</td>
<td>100%</td>
<td>No change</td>
</tr>
<tr>
<td>Hybrid</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Up to 1600 cc</td>
<td>55%</td>
<td>25%</td>
</tr>
<tr>
<td>1601-2000 cc</td>
<td>75%</td>
<td>45%</td>
</tr>
<tr>
<td>Above 2000 cc</td>
<td>100%</td>
<td>70%</td>
</tr>
<tr>
<td>Electric cars</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Up to 180 Kw</td>
<td>25%</td>
<td>0</td>
</tr>
<tr>
<td>Above 180 Kw</td>
<td>25%</td>
<td>No change</td>
</tr>
</tbody>
</table>
Opportunities
Leapfrog to clean technology in affordable way
2011/3 NISSAN LEAF G
Price: $4,293
Total Price: $5,613

2014 Nissan Leaf
Year: 2014
Engine Capacity: 70cc
Mileage: 52,000km
FOB Price: US$9,845
Estimated Total Price: > Select your Country & Nearest Port

2015 Nissan Leaf
Year: 2015
Engine Capacity: 1,000cc
Mileage: 20,125km
FOB Price: US$11,970
Estimated Total Price: > Select your Country & Nearest Port

NEW NISSAN LEAF (AZE0)
Ref: CFJ1868519
2016-
1,500 cc
11,000 km
Japan
US$15,602
Status of African Countries based on a recognized ‘strong’ 5 year age limit

- Green: Strong
- Orange: Fair
- Red: Weak
- Gray: Banned
Recommendations
How can we make sure we get quality used vehicles, fit for our operating environments, that don’t have adverse financial and environmental/health impacts?

– Age – (3 to 5 yrs)
– Fiscal incentives (proven to work well)
– Clean tech policies (leapfrog)
– Information and awareness (labeling?)
– Harmonization (essential)
Some Myths

• “Used cars are inferior to new cars”
• “Used cars are polluting and thus should be banned”
• “Restricting access will deny access to affordable cars”
• “Quality cars are more expensive”
• “Restricting used cars will reduce revenue”
• “We can not maintain these cars”
• “It is impossible to regulate this trade”
Next

• Data report UN Environment
• PCFV (Partnership for Clean Fuels and Vehicles) report
• Global programme
New Programme

- Objective – quality used vehicles for Africa
- Environment and road safety
- Harmonization
- Importing countries/ exporting countries/ export companies/ international agencies
- With a fund - USD 1 per exported car; exporters to contribute
New Programme

• awareness
• support policy and standards
• stop dumping unsafe and dirty vehicles
• Leapfrog clean and safe technology
• support harmonization
• labeling / certification for quality
• training and capacity building
• quality and compliance checks
• address illegal practices
• end-of-life vehicle recycling
Thank you

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www.unep.org/transport