PRODUCTION OF CLEANER VEHICLES IN KENYA

15\textsuperscript{th} March, 2018
Current State: Vehicle Registration Composition

- **7,469 units**
  Average monthly vehicle registrations (2017)*

- **893 units (12%)**
  Average monthly new vehicle registrations (2017)**

- **6,576 units (88%)**
  Average monthly used vehicle registrations (2017)**

- **383 units (43%)**
  Average monthly local vehicle production (2017)**

- **509 units (57%)**
  Average monthly new vehicle import (2017)**

* New vehicles in Kenya currently at EURO 0 – 4 emission level

** Source: Kenya Motor Industry Association data
Current State: Emissions and Fuel Quality Standards

**Emission Standards**
- Contained in **DKS1515**: Kenyan standard to regulate quality and condition of road vehicles
- **Simple visual and metered smoke** (opacity) emission tests carried out on petrol and diesel vehicles
- **Majority** of new vehicles produced meet current emission standard in KS1515

**Gasoline Quality**
- **EAS158** is the regulatory standard for the EAC that specifies required gasoline quality
- EAS158 supports **Euro3** vehicle hardware
- **Current gasoline quality** in Kenya need improvement to reduce metal content and Sulphur

**Diesel Quality**
- **EAS177** is the regulatory standard for the EAC that specifies required diesel quality
- EAS177 supports **Euro4** vehicle hardware

Current emission standard is not adequate to achieve cleaner vehicle technology in Kenya

Quality control at sourcing and distribution as well as enforcement of standard by EAC states need enhancement.
Enablers for Production of Cleaner Vehicles in Kenya

1. Clear Government Policy
   - Clear policy and standards for vehicle emissions measured in terms of (SPM, NOx, CO, VOC). Calls for review of current KS1515 standard
   - Enforcement of vehicle fuel quality standard that supports cleaner vehicle hardware
   - Develop a clear phased policy implementation plan aligned with OEM new models introduction plan and capacity

2. Driver or Owner Education
   - Enhanced education to drivers and vehicle owners to create understanding for necessity of cleaner vehicles
   - Generate public buy-in to policy implementation geared towards cleaner vehicles and higher fuel quality
   - Capacity building; facilitate mechanics training to handle newer, cleaner vehicles

3. Enhanced Emission Testing at Vehicle Inspection Centres (VICs)
   - Increase the number of VICs countrywide
   - Equipping vehicle inspection centers with resources to conduct emission vehicle tests by measuring (SPM, NOx, CO, and VOC)
   - Consistent enforcement of policy and regulation developed for importation of cleaner vehicles

4. Improved Fuel Handling and Quality Control Infrastructure
   - Investment in the upgrade of fuel handling infrastructure (e.g. pipelines, storage tanks) to ensure zero contamination
   - Enhanced surveillance by standard bodies to ensure adequate fuel quality testing and quality control across the region

Vehicle manufacturers in Kenya have the capability to manufacture low emission vehicles
Trucks for life

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