

NATIONAL QUESTIONNAIRE FOR FUELS AND VEHICLES: EECCA

Objectives of the Assessment: To assess the current state of vehicle fuel quality, vehicle emission standards and other related national-level information in order to develop comparative material, which will enable decision-makers and experts to discuss problems and necessities and define possible solutions at a meeting in 2007.

The questionnaire comprises of 4 main sections:

1. Personal Information
2. Air Quality
3. Fuel Quality
4. Vehicles & Emissions

Please read the following instructions before filling in the questionnaire!

4. We propose that you use **2005 or 2006** as a reporting year, and where asked, please specify the reporting year.* If data for 2006 is not yet publicized, and the available information is for a previous year, please insert this information and note the particular year in the heading of the table. If 2006 data and updates are available, please provide this data and note the year.
5. You may not find available all required data. Please, fill in the available data:
 - a) If there are data gaps, insert N/A in the respective table cell;
 - b) If such data is not measured, monitored or reported in your country, insert N/R in the respective table cell;
 - c) Please, use the text boxes to present any useful information, which is not covered by the tables or which needs additional description.

1. Personal Information

Reporting year*	2005
Country	Georgia
Date report completed	2007
Institution responsible for report	Ministry of Environment Protection and Natural Resources of Georgia
Address of institution	6, Gulua str., 0114, Tbilisi, Georgia
Position/Person responsible for report	Mr. Levan Karanadze, Senior Specialist of Ambient Air Protection Division
Telephone No	+995 32 27 57 28
E-mail address or Fax No	+995 32 27 57 28; E-mail: geoairdept@caucasus.net

2. Air Quality

2.1 Institutional framework of air quality legislation

Institution name	Departments	Personnel*	Legal acts	Responsibility
Ministry of Environment Protection and Natural Resources of Georgia	<ul style="list-style-type: none"> Department of Integrated Environmental Management Centre for Monitoring and Forecasting 	5 10	<ul style="list-style-type: none"> National Law on “Ambient Air Protection”; Order of the Minister of Health on “Approval of the Environmental Quality Standards” 	<ul style="list-style-type: none"> Ambient Air Protection; Monitoring of Air Quality

3. Fuel Quality

3.1 Contact Office(s)/Person(s)

Responsible Office(s) and Contact Person(s)	Institution	Responsibility	Contact Information	Email
Mr. Vano Mtvralashvili	The Union of Oilproducts Enterprisers, Importers and Customers	To promote and to pursue the policy of state anti-contraband and anti-counterfeited. To make competitive surroundings and all-round supporting for the honest producers. Formation of effective and flexible system in the sphere of oilproducts production, import and realization in Georgia.	46 Iv. Javakhishvili str., Tbilisi, Georgia Tel/Fax: (99532)963401	oilge@yahoo.com

3.2 Institutional framework for fuel quality management

Institution name	Institution type*	Responsibility	Frequency of fuel testing	Number of authorized testing labs
1	2	3	4	5
N/A				

Oxygenates:									
- Methanol	%(v/v)								
- Ethanol	%(v/v)								
- Iso-propil alcohol	%(v/v)								
- Tert-butyl alcohol	%(v/v)	N/R	N/R	N/R	N/R	N/R	N/R		
- Iso-butyl alcohol	%(v/v)								
- Ethers with five or more carbon atoms per molecule	%(v/v)								
- Other oxygenates	%(v/v)								
Sulphur content	mg/kg	N/R	N/R	N/R	N/R	N/R	N/R	-	500
Lead content	g/l	N/R	N/R	N/R	N/R	N/R	N/R	-	0.013

3.6 Are there any other additives in the fuel? If so, what are they and what quantity?

3.7 Parameters for Market Fuels Used in Vehicles with Compression Ignition Engines (diesel) (* insert reporting year)

Parameter	Unit	Analytical and statistical results					Limiting value	
		No. of samples	Minimum	Maximum	Mean	Standard deviation	National specification	
							Minimum	Maximum
Cetane No		N/R	N/R	N/R	N/R	N/R	-	45
Density at 15°C	kg/m ³	N/R	N/R	N/R	N/R	N/R	-	845
Distillation – 95% Point	15°C	N/R	N/R	N/R	N/R	N/R	-	-
Polycyclic aromatic hydrocarbons	%(m/m)	N/R	N/R	N/R	N/R	N/R	-	11%
Sulphur content	mg/kg	N/R	N/R	N/R	N/R	N/R	-	350

Table 3.8 Number of samples in month (diesel) (* insert reporting year)

Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sep.	Oct.	Nov.	Dec.	Total
N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R	N/R

3.9 Fuel quality standards (Please, shortly describe your domestic standards and any planned standards and the anticipated deadlines for their adoption, etc.)

According to the Decree of Government on “Approval of Quality Standards for Gasoline” December 31, 2004 national standards for petrol are defined as follows:			
Until January 1, 2009:	From January 1, 2009 to January 1, 2010:	From January 1, 2010:	From January 1, 2011:
<ul style="list-style-type: none"> • Lead content – 0.013 g/l; • Benzene – 5 %(v/v); • Aromatics – 42 %(v/v); • Sulphur content – 500 mg/kg 	<ul style="list-style-type: none"> • Lead content – 0.005 g/l; • Benzene – 3 %(v/v); • Aromatic – 42 %(v/v); • Sulphur content – 250 mg/kg 	<ul style="list-style-type: none"> • Lead content – 0.005 g/l; • Benzene – 1 %(v/v); • Aromatic – 42 %(v/v); • Sulphur content – 150 mg/kg 	<ul style="list-style-type: none"> • Lead content – 0.005 g/l; • Benzene – 1 %(v/v); • Aromatic – 35 %(v/v); • Sulphur content – 50 mg/kg

According to the Decree of Government on “Approval of Quality Standards for Diesel” December 28, 2005 national standards for diesel are defined as follows:

Until January 1, 2009:	From January 1, 2009 to January 1, 2010:	From January 1, 2010:
<ul style="list-style-type: none"> • Cetane No – 45; • Sulphur content – 350 mg/kg; • Density at 15°C – 845 kg/m³; • Polycyclic aromatic hydrocarbons – 11 % 	<ul style="list-style-type: none"> • Cetane No – 48; • Sulphur content – 350 mg/kg; • Density at 15°C – 845 kg/m³; • Polycyclic aromatic hydrocarbons – 11 % 	<ul style="list-style-type: none"> • Cetane No – 51; • Sulphur content – 50 mg/kg; • Density at 15°C – 845 kg/m³; • Polycyclic aromatic hydrocarbons – 11 %

3.10 Fuel production, import, export and consumption for 2006 (* insert reporting year)

Fuel grade	Production (1000 m ³ /year)	Import (1000 m ³ /year)	Export (1000 m ³ /year)	Consumption** (1000 m ³ /year)
1	2	3	4	5
Total leaded petrol		437	N/A	
RON: RON: RON:				
Total unleaded petrol			N/A	N/R
RON: RON: RON:				
Total diesel		408	N/A	N/R
Total LPG				
Other fuels (please specify)				

*If data for 2005 is not available, insert older data and indicate the year

**Vehicle transport only (rail and marine transport excluded)

3.11 Fuel production by producers (* insert reporting year)

Refinery	Production of crude oil distillation (1000 m ³ /year)
no production	no production

3.12 Fuel distribution

Fuel distributors	Number of filling stations
about 10	250 (Tbilisi); 600 (Georgia)

3.13 Promotion of environment friendly fuels (incentives, programs for unleaded petrol, low-sulphur petrol and diesel, biodiesel, bioethanol, LPG, etc.)

Measure	Details
Ban on leaded petrol	Ban on usage of leaded fuel has been introduced since January 1, 2000. (lead 0,013 g/l)
Tax differentiation	
Use of subsidies	
Other (please add):	
Planned Measures	

4. Vehicle Emissions

4.1 Contact Office(s)/Person(s)

Responsible Office(s) and Contact Person(s)	Institution	Responsibility	Contact Information	Email
N/A				

4.2 National Fuel Quality Legislation (please list)

<p>Decree of Government on “Approval of Quality Standards for Gasoline” December 31, 2004</p> <p>Decree of Government on “Approval of Quality Standards for Diesel” December 28, 2005</p>

4.3 Vehicle fleet structure

Year: 2004(* please insert reporting year)	Total number of vehicles	Passenger Cars		LDV		HDV		Buses	
		Petrol	Diesel	Petrol	Diesel	Petrol	Diesel	Petrol	Diesel
Number (000s) % of the total vehicle fleet	328374	243286	11931	8661	10504	23490	14911	3107	2484

*If data for 2005 is not available, insert older data and indicate the year

Table 4.4 Share with catalytic converters

Year: (* please insert reporting year)	Vehicles with Catalytic Converters	
	Passenger cars	All vehicles
Number (000s)	no data	no data
%		

Table 4.5 Newly-registered passenger cars

Year	Total number	Passenger cars			
		New		Second hand	
			%		%
1995	N/A	N/A	N/A	N/A	N/A
2000	23150	1657	7	21493	93
2001	28791	1074	4	27717	96
2002	30915	1262	4	29653	96
2003	33134	1366	4	31768	96
2004	37602	1465	4	36137	96
2005	44253	1854	4	42399	96

*If data for 2003 is not available, insert older data and indicate the year

Table 4.6 Vehicle aging

Only cars registered in year 2005, in total, not in categories

Year: 2005*	0-5 years		6-10 years		11-15 years		16-20 years		>20 years	
Total:	16428	100%	49313	100%	113342	100%	114235	100%	128031	100%
Passenger cars	15094	91.9	41815	84.8	89871	79.3	84157	73.7	111109	86.8
LDV**	233	1.4	3681	7.4	12312	10.9	8985	7.9	3751	2.9
HDV	873	5.3	3697	7.5	7300	6.4	17475	15.3	10952	8.6
Buses	228	1.4	120	0.3	3859	3.4	3618	3.1	2219	1.7

*If data for 2005 is not available, insert older data and indicate the year

** Only minibuses are included.

Table 4.7 Domestic vehicle production (if any)

Type	2003	2004	2005
Passenger cars (%)	NO PRODUCTION	NO PRODUCTION	NO PRODUCTION
LDV (%)			
HDV (%)			
Buses (%)			
Total (%)			

* 2002 is included in order to see the trend. If data is available, any previous year can be included too.

Table 4.8 Quantity of imported vehicles**

Type	2003	%	2004	%	2005	%	2006	%
Passenger cars	25867	78.2	29986	79.7	35835	81.1	45819	79.6
LDV***	3037	9.2	2032	5.4	1983	4.5	2702	4.7
HDV	3818	11.6	5032	13.4	5684	12.9	8300	14.4
Buses	343	1.0	562	1.5	658	1.5	747	1.3
Total	33065	100	37612	100	44160	100	57568	100

* 2003 is included in order to see the trend. If data is available, any previous year can be included too.

** If there is data by country of import, please include it.

*** Only minibuses are included.

4.9 Restrictions placed on imported vehicles (age limits, requirements for catalytic converters, installation of emission technology for the HDV, etc.)

no restrictions

4.10 Information on retrofitting imported fleets (e.g. bus fleets) with emissions control technologies or cleaner engines

N/A

4.11 Institutional framework for vehicle emission testing

Institution name	Institution type	Personnel	Responsibility	Number of vehicles tested (vehicles/year)	Number of testing sites
1	2	3	4	5	6
N/R	N/R	N/R	N/R	N/R	N/R

4.12 Legal and institutional framework of vehicle inspection and maintenance

According to the 2004 amendment to “The Georgian Law on Traffic Safety” (28.05.1999, #2050), annual technical inspection of vehicles has become voluntary for private passenger vehicles until January 2009.
 Order of Unified Transport Administration’s chairman “On Approval of Technical Rules for Periodic Inspection of Different Vehicle Categories” (14.06.2007, #36).

4.13 Technical Assistance Received for Capacity Building in Vehicle Inspection and Maintenance

N/A

Source: (institution).....(department)

4.14 National Vehicle exhaust emission requirements (ONLY light duty vehicles/passenger cars)

g/km	Petrol	Diesel
CO	not available	not available
HC		
NO_x		
HC+NO_x		
PM		
Opacity		

4.15 Recent Developments/Planned Vehicle exhaust emission requirements, inspection and maintenance

Source: (institution).....(department)

4.16 Incentives for alternative fuels and vehicles (e.g. Flexi-fuel/CNG/LPG powered vehicles)

Incentive	Description
N/A	N/A

4.17 Promotion of environment friendly vehicles (such as import of only new vehicles, catalytic converters, fuel cells, etc.)

Measures	Details
1. Ban on the sale of new vehicle not equipped with catalytic converters	N/A
2. Tax differentiation	N/A
3. Use of subsidies	N/A

4. Inspection and maintenance program	N/A
5. Retrofit program	N/A
6. Accelerated retirement program	N/A
7. Scrappage programs	N/A
8. Vehicle age caps	N/A
9. Other (please add):	N/A