

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*	
Country	Kyrgyz Republic
Date report completed	
Institution responsible for report	Jailobaeva B. M.
Address of institution	197 Panfilov St.
Position/Person responsible for report	Head of the Laboratory for Oil Product Testing of NISM
Telephone No	(312) 62-57-49
E-mail address or Fax No	

2. Air Quality

2.1 Institutional framework of air quality legislation

Institution name	Departments	Personnel*	Legal acts	Responsibility
Kyrgyzhydromet	Ministry of Emergency Situations	4 persons (312) 21-33-35		Measurement of contents of dust, NO ₂ , SO ₂ , etc. in the cities
Ecological Monitoring Service, 34 Baitik Batir St., 720005 Bishkek Tel.:54-07-65	State Agency for Protection of Environment and Forestry at Government of KR	8 persons (312) 54-07-65	Law on Protection of Environment 13.05.99. Law on Protection of Ambient Air 13.05.99.	Air measurements on the territory of KR and industrial emissions

3. Fuel Quality

3.1 Contact Office(s)/Person(s)

Responsible Office(s) and Contact Person(s)	Institution	Responsibility	Contact Information	Email
State Enterprise Bishkek Centre for Inspection and Certification	NISM	Certification of oil products	(312) 66-29-59	
Standardcertic Ltd.		Certification of oil products	(312) 66-77-85	

3.2 Institutional framework for fuel quality management

Institution name	Institution type*	Responsibility	Frequency of fuel testing	Number of authorized
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				testing labs
1	2	3	4	5
NISM and its regional centres	State	Certification	On import	4 - Accredited by ГОСТ ISO/МЭК 17025
Standardcertic Ltd.	Private	Certification	On import	1- Accredited by ГОСТ ISO/МЭК 17025
Gosgortekhnadzor at Ministry of Emergency Situations	state	State supervision	Planned	

***Government; Research/Academic; Private company; NGO; accredited laboratories according to the ISO 17025**

3.3 Technical Assistance Received for Capacity Building in Fuel Quality Control

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3.4 National Fuel Quality Legislation (please list)

<p>Decree of Government №473 dd. 30.06.06 on Standard and Legal Acts in the Field of Technical Regulation in Force on Territory of KR before Introduction of Technical Regulations</p> <p>Decree №702 dd. 27.09.06 on Approval of Provisions on the order of Implementation of State Supervision. Provisions on State Supervision</p> <p>Decree №639 on Compulsory Confirmation of Product Compliance</p> <p>Decree №8 dd. 11.01.06 on the Rules for Import and Use of Products Subject to Compulsory Confirmation of Compliance in Form of Compulsory Certification at the Territory of KR and for Approval of the Results of Compulsory Confirmation of Compliance Received Outside the Territory of KR</p>

3.5 Parameters for Market Fuels Used in Vehicles with Spark Ignition Engines (petrol) (* insert reporting year)

Parameter	Unit	Analytical and statistical results						Limiting value		
		No. of samples	Taken where	Min.	Max.	Mean	Standard deviation	National specification		
Minimum	Maximum									
Research octane No		202	Railway cisterns	80	85	82,5		80		
Motor octane No										
Vapor pressure, DVPE	kPa			55	77	66		35		
Distillation:										
- Evaporated at 100°C	%(v/v)			35	65	55		35		
- Evaporated at 150°C	%(v/v)									
Hydrocarbon analysis:				Not registered						
- Olefins	%(v/v)									
- Aromatics	%(v/v)									
- Benzene	%(v/v)									
Hydrogen content										
Oxygenates:										
- Ethers with five or more carbon atoms per molecule	%(v/v)									
Sulphur content	mg/kg			0,007	0,025	0,016			0,10	
Lead content	g/l			N/A	N/A				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 GOCT 305-82					Limiting value		
		No. of samples	Where Taken	Minimum	Maximum	Mean	National specification GOCT305-82		
							Standard deviation	Minimum	
Cetane No		N/R							
Density at 15°C		258	Railway cisterns	N/R					
Distillation – 96% Point				290	360	325			
Polycyclic aromatic hydrocarbons	%(m/m)			N/R					
Sulphur content	mg/kg			0.1%	0.4%	0.25%		0.2%	

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
24	18	19	33	25	15	21	15	27	19	21	21	258

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

All the Russian Bylaws and Standard Acts are in effect on the territory of KR

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

Fuel grade	Production	Import	Export	Consumption**
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	(1000 m ³ /year)	(1000 m ³ /year)	(1000 m ³ /year)	(1000 m ³ /year)
1	2	3	4	5
Total leaded petrol	Production and use of leaded gasoline is prohibited by the law			
Total unleaded petrol	2007 г. 13179 tons, including through compounding	2007 440 thousand tons	N/A	
RON:	10,6			
RON:	18,8			
RON:	4,56			
	0,14			
Total diesel	2007 31427.6 tons	2007 290 thousand tons	N/A	
Total LPG				
Other fuels (please specify)				

*Vehicle transport only (rail and marine transport excluded)

3.11 Fuel production by producers (* insert reporting year)

Refinery	Volume of refined oil (1000 m³/year)
Jalal-Abad Refinery	250

3.12 Fuel distribution

Fuel distributors	Number of filling stations
21	370

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 gasoline	Production and use of leaded gasoline was banned

Tax differentiation	N/A
Application of subsidies	N/A
Other (please specify)	N/A
Planned Measures	N/A

4. Vehicle Emissions

4.1 Contact Office(s)/Person(s)

Responsible Office(s) and Contact Person(s)	Institution	Responsibility	Contact Information	Email
Testing Lab	As-Aknazar Ltd.	Detection of CO levels by request of traffic police	66-77-85	
Ecological Monitoring Service	State Agency for Protection of Environment and Forestry at Government of KR	Recommencement of ecological checkpoint operations is planned	54-07-65	

4.2 National Fuel Quality Legislation (please list)

Not available

4.3 Vehicle fleet structure

Year: (* 2006)	Total number of vehicles	Passenger Cars		LDV		HDV		Buses	
		Petrol*	Diesel*	Petrol*	Diesel*	Petrol*	Diesel*	Petrol*	Diesel*
(,000) % of the total vehicle fleet	318581 in 2007								

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

Table 4.4 Share with catalytic converters

Year: (* 2006)	Vehicles with Catalytic Converters	
	Passenger cars*	All vehicles
Number (000s) %	Not registered	Not registered

*Estimates

Table 4.5 Newly-registered passenger cars

Year	Total number	Passenger cars			
		New		Second hand	
			%		%
1995	N/A				
2005					

*If data for 2005 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: 275,239					
Passenger cars	4,500	17,254	58,937	Older then 15 194,528	
LDV **					
HDV					
Buses					

Table 4.7 Domestic vehicle production (if any)

Type		2003	2005	2006
Passenger cars	,000			
	%			
HDV	,000			
	%			
Buses	,000			
	%			
Total	,000			
	100			

* 2003 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**

Тип	2004	2005	2006
Passenger cars (,000/%)			
LDV/HDV (,000/%)			
Buses (,000/%)			
Total (,000/%)	N/A	N/A	N/A

* 2004 is included in order to see the trend. If data is available, any previous year can be included too.

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

The issue of introducing age limitations is being considered

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
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1	2	3	4	5	6
As-Aknazar Ltd.	private		CO and smoking measurements	1,257 upon request of traffic police	

4.12 Legal and institutional framework of vehicle inspection and maintenance

Ministry of Internal Affairs – Traffic Police – annual technical inspection

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	FOCT 17.2.2.03-87 Protection of Nature, Atmosphere and Methods of CO and Hydrocarbons Contents Measurement in Vehicles with Spark Ignition Engines	FOCT 21.393-75 Vehicles with Compression Ignition Engines. Smoking at the Exhaust, Norms and Measurement Methods, Safety Requirements
HC		
NO _x		
HC+NO _x		
PM		
Opacity		

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

Not planned
Source: (institution).....(department)

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

Incentive	Description
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	-
2. Tax differentiation	-
3. Use of subsidies	-

4. Inspection and maintenance program	-
5. Retrofit program	-
6. Accelerated retirement program	-
7. Scrappage programs	-
8. Vehicle age caps	It is planned to introduce the age limitations for imported vehicles in 208
9. Other (please add):	-