

## Status of Fuel Quality and Vehicle Emission Standards: Sub Saharan Africa



*Updated April 2012*

Country	Lead		Sulphur max allowable by law				Vehicle Emission Standards, Light Duty Passenger
	Current Status	Comments	Diesel	Petrol	Target date set for 50ppm and below diesel nationwide	Comments	
Angola	Unleaded	October 2005	3000	1000	2009		Motor companies not allowed to import used vehicles; individuals allowed to import regardless of age
Benin	Unleaded	December 2004	5000		2009	Imports mainly from Ivory Coast and Nigeria	No import restrictions on vehicle age basis
Botswana	Unleaded	January 2006	500		2008	Supplied by South Africa	Maximum of 100,000 kms on the vehicle
Burkina Faso	Unleaded	July 2005	5000		2009		No import restrictions on vehicle age basis
Burundi	Unleaded	December 2005	500		2008	Imports from Tanzania and Kenya	
Cameroon	Unleaded	July 2004	5000		2009		No import restrictions on vehicle age basis
Cape Verde	Unleaded	December 2005	1000		2009	Imports from Angola	

## Status of Fuel Quality and Vehicle Emission Standards: Sub Saharan Africa



*Updated April 2012*

Country	Lead		Sulphur max allowable by law				Vehicle Emission Standards, Light Duty Passenger
	Current Status	Comments	Diesel	Petrol	Target date set for 50ppm and below diesel nationwide	Comments	
Central African Republic	Unleaded	2004	3000-5000		2009	Imports petrol from Cameroon	No import restrictions on vehicle age basis
Chad	Unleaded	2004	166	35	2009	National standards are 2000 ppm for diesel and 500 ppm for petrol (CNPC)	Vehicle inspection upon importation
Comoros	Unleaded						
Congo (Brazzaville)	Unleaded	June 2005	10000		2008	Actual level from country contact is 1000ppm	Used motor vehicles can be imported without inspection as long as they do not have "commercial character"
Democratic Republic of Congo	Unleaded	February 2005	5000		2008		No import restrictions on vehicle age basis

## Status of Fuel Quality and Vehicle Emission Standards: Sub Saharan Africa



*Updated April 2012*

Country	Lead		Sulphur max allowable by law				Vehicle Emission Standards, Light Duty Passenger
	Current Status	Comments	Diesel	Petrol	Target date set for 50ppm and below diesel nationwide	Comments	
Côte d'Ivoire	Unleaded	January 2005	5000	500	2009		A fine of FCFA 150.000 is imposed on vehicles older than 10 years and an additional FCFA 10.000 for every year.
Djibouti	Unleaded	December 2005	5000		2008		
Equatorial Guinea	Unleaded	2005	5000-8000		2009	Supplied by Cameroon and Gabon	
Eritrea	Unleaded	January 2004	3000	1000	2008		Used vehicles must be less than ten years old
Ethiopia	Unleaded	January 2004	5000		2008	Import levels at 2500ppm	No import restrictions on vehicle age basis
Gabon	Unleaded	October 2005	8000				Used vehicles must be less than four years old (since July 2001)

## Status of Fuel Quality and Vehicle Emission Standards: Sub Saharan Africa



*Updated April 2012*

Country	Lead		Sulphur max allowable by law				Vehicle Emission Standards, Light Duty Passenger
	Current Status	Comments	Diesel	Petrol	Target date set for 50ppm and below diesel nationwide	Comments	
Ghana	Unleaded	January 2004	5000		2009		Used vehicles over five years old pay graduated penalty according to year of manufacture and capacity
Guinea	Unleaded	July 2005	5000		2009	Supplied by Senegal	(ban on importation of cars above 10 years lifted in 2001)
Guinea-Bissau	Unleaded	July 2005	5000		2009	Supplied by Senegal	
Kenya	Unleaded	December 2005	500-10000		2008	Imported levels at 500ppm but refinery production at 7-10000ppm	
Lesotho	Unleaded	January 2006	500		2008	Supplied by South Africa	Used vehicles must be less than eight years old
Liberia	Unleaded	July 2005	3000		2009	Supplied mainly by Senegal	

## Status of Fuel Quality and Vehicle Emission Standards: Sub Saharan Africa



*Updated April 2012*

Country	Lead		Sulphur max allowable by law				Vehicle Emission Standards, Light Duty Passenger
	Current Status	Comments	Diesel	Petrol	Target date set for 50ppm and below diesel nationwide	Comments	
Madagascar	Unleaded	December 2005	5000		2008		
Malawi	Unleaded	November 2005	500		2008	Imports mainly through Mozambique	No import restrictions on vehicle age basis
Mali	Unleaded	October 2005	10000		2009	Imports from Ivory Coast mainly	No import restrictions on vehicle age basis
Mauritania	Unleaded	January 2004	5000		2009		
Mauritius	Unleaded	2003	500		2008		
Mozambique	Unleaded	November 2005	500		2008		Used cars must be less than five years old; used vans must be less than nine years old.
Namibia	Unleaded	January	500		2008	Imports from South Africa	

## Status of Fuel Quality and Vehicle Emission Standards: Sub Saharan Africa



*Updated April 2012*

Country	Lead		Sulphur max allowable by law				Vehicle Emission Standards, Light Duty Passenger
	Current Status	Comments	Diesel	Petrol	Target date set for 50ppm and below diesel nationwide	Comments	
		2006					
Niger	Unleaded	December 2004	380	160	2009	National standards are 2000 ppm for diesel and 1500 ppm for petrol (CNPC)	Used vehicles from outside of the SACU area must be less than five years old; there is no age limit for SACU-originating used vehicles
Nigeria	Unleaded	June 2003	5000	1000	2009	(actual level 1330)	
Réunion	Unleaded						Used vehicles must be less than eight years old
Rwanda	Unleaded	December 2005	500		2008	Imports through Kenya and Tanzania	
Sao Tome and Principe	Unleaded	December 2005	3000				
Sénégal	Unleaded	July 2005	5000	1000	2009		
Seychelles	Unleaded		500-	110		Have two grades	Used vehicles must be less than five years old

## Status of Fuel Quality and Vehicle Emission Standards: Sub Saharan Africa



*Updated April 2012*

Country	Lead		Sulphur max allowable by law				Vehicle Emission Standards, Light Duty Passenger
	Current Status	Comments	Diesel	Petrol	Target date set for 50ppm and below diesel nationwide	Comments	
			5000				
Sierra Leone	Unleaded	July 2005	5000		2009	Imports from Senegal	
Somalia	Unleaded	December 2005			2008		
South Africa	Unleaded	January 2006	500		2008	Already 50ppm grade is available	
Sudan	Unleaded	before 2002	80	30	2008	The national standards are 350 ppm for diesel and 500 ppm for petrol (CNPC)	-imported second-hand vehicles are illegal, except for immigrants, vintage and racing cars, vehicles adapted for physically disabled, and donated vehicles for welfare organizations
Swaziland	Unleaded	January 2006	500		2008	Imports from South Africa	
Tanzania	Unleaded	November 2004	500		2008	January 2011	

## Status of Fuel Quality and Vehicle Emission Standards: Sub Saharan Africa



*Updated April 2012*

Country	Lead		Sulphur max allowable by law				Vehicle Emission Standards, Light Duty Passenger
	Current Status	Comments	Diesel	Petrol	Target date set for 50ppm and below diesel nationwide	Comments	
The Gambia	Unleaded	July 2005	5000		2009	Imports from Cote d'Ivoire	Import of second hand vehicles restricted through taxation – increases in vehicles exceeding 10 years and roadworthiness must be proven before import
Togo	Unleaded	July 2005	10000		2009	Imports mainly from Cote d'Ivoire and Nigeria	
Uganda	Unleaded	December 2005	500		2008	Imports through Kenya and Tanzania	
Zambia	Unleaded	February 2006	500-3000		2009	Import specification is 500ppm from end 2010 and refinery production in 3000ppm	No import restrictions on vehicle age basis
Zimbabwe	Unleaded	January 2006	500	1000	2008	Imports through Mozambique	
<b>Total: 49 countries</b>							

Sources of Information



Fred Sexsmith

CITAC

Various Country Standards and contacts

UNEP/PCFV sponsored meetings