

**[ DENR ADMINISTRATIVE ORDER NO. 24 s. 1994,  
August 01, 1994 ]**

**INTERIM EMISSION STANDARDS FOR USED IMPORTED MOTOR  
VEHICLES**

Pursuant to the provision of Section 5(o) of E.O. No. 192, dated June 10, 1987, and in relation to Section 7 of Presidential Decree No. 1181 dated August 19, 1977, and further, in conformity with the Guidelines of the Inter-Agency Committee on Used Trucks and Engines (IAC-UTE) issued on 31 January 1994, the DENR hereby adopts and promulgates the following Interim Emission Standards for Imported Used Motor Vehicles.

*SECTION 1. Scope* — For purposes of inspection and testing prior to first registration of any imported used motor vehicle with the Land Transportation Office, the appropriate emission standard shall be the basis of action by all concerned agencies; provided that if the in-use emission standard of the country of origin differs from these standards (maximum limit), the more strict standard should be the basis of approval and first registration of the used vehicle.

TYPE OF POLLUTANT	Table 1	
	MAXIMUM LIMIT	TEST METHOD/ EQUIPMENT
Carbon Monoxide (CO) <sup>a</sup>	3.5% vol.	Idling test/NDIR Analyzer
Hydrocarbons (HC) <sup>a</sup>	500 ppm	Idling test/NDIR Analyzer
Smoke <sup>b</sup>	50 HSU	Free acceleration from low idle engine speed/ Hartridge opacimeter or filter-type smoke meter

Note:

a. For spark-ignition (gasoline fueled) motor vehicle.

b. For compression-ignition (diesel fueled) motor vehicle.

*SECTION 2. Test Procedure and Equipment.* See Annexes 1 and 2.

This order takes effect fifteen (15) days after publication in two national newspapers of general circulation.

Adopted: 1 Aug. 1994

(SGD.) ANGEL C. ALCALA  
*Secretary*

## ANNEX 1

### FREE ACCELERATION TEST FOR IN-USE DIESEL FUEL MOTOR VEHICLES

#### 1

##### Scope

The test is a smoke opacity measurement for in-use motor vehicle equipped with compression-ignition (diesel) engines, using the free acceleration from low idle speed method.

#### 2

##### Motor Vehicle Test Condition

- a. The test shall be carried out on a stationary vehicle at normal engine operating temperature.
- b. The combustion chamber shall not have been cooled or fouled by a prolonged period of idling preceding the test.
- c. The exhaust system shall not have any orifice (or leaks) through which the gases emitted by the engine might be diluted.

#### 3

##### Test Equipment

- a. The light-absorption coefficient of the exhaust gases shall be measured with an opacimeter satisfying the conditions laid down in ECE Regulation No. 24, Revision 2E/ECE/TRANS 505.Rev Add 23 Rev 2, Annex 8: Characteristics of Opacimeter.

#### 4

##### Test Procedures and Smoke Opacity Measurement

- a. Follow the opacimeter manufacturer's instruction in the proper installation, operation/use and checking the accuracy (calibration) before and after each test.
- b. Set the vehicle gear-change control in the neutral position and the handbrake effectively engaged.
- c. Start the engine and warm it up to its normal operating temperature.
- d. Insert sampling probe as deep as possible but not less than 30 centimeters from