

Changes from Item Under Consideration that appear in Publication 16 (2015)

Under 2.27.1. Definitions (note renumbering of sections would be done editorially by NIST)

- Delete in its entirety Section 2.27.1.2. Gasoline Liter Equivalent (GLE)
- Under 2.27.1.3. remove metric equivalent 2.567 kg
- Delete in its entirety Section 2.27.1.4. Diesel Liter Equivalent (DLE).

Under 2.27.2. Method of Retail Sale and Dispenser Labeling

- Under this section strike the term “is equal to” and replace with “means”
- Under 2.27.2.1. strike the terms equivalent (GLE) or gasoline. Strike diesel liter equivalent (DLE)
- Under 2.27.2.2. strike the term “kilogram”.
Strike “1 Gasoline Liter Equivalent (GLE) is equal to means 0.678 kg of Natural Gas”.
- Under 2.27.2.3. strike the term “liter equivalent (DLE), diesel”
- Under 2.27.2.4. strike the term “kilogram (kg) or”
Strike “1 Diesel Liter Equivalent (DLE) is equal to means 0.726 kg of Liquefied Natural Gas” or. In the last sentence strike “consistent with the method of sale used.”
Change the term and to “or” Compressed Natural Gas **and or** “1 Diesel Gallon Equivalent (DGE)”

Item Under Consideration as of July 14, 2015:

Amend the NIST Handbook 130, Method of Sale Regulation as follows:

2.27. Retail Sales of Natural Gas Sold as a Vehicle Fuel.

2.27.1. Definitions.

2.27.1.1. Compressed Natural Gas (CNG). – A gaseous fuel composed primarily of methane that is suitable for compression and dispensing into a fuel storage container(s) for use as an engine fuel.

2.27.1.2.3. Gasoline Gallon Equivalent (GGE). – Gasoline gallon equivalent (GGE) means 2.567 kg (5.660 lb) of compressed natural gas.

2.27.1.3.5. Diesel Gallon Equivalent (DGE). - Diesel gallon equivalent means 6.384 lb of compressed natural gas or 6.059 lb of liquefied natural gas.

2.27.1.4.6. Liquefied Natural Gas (LNG). – Natural gas which is predominantly methane that has been – 162 °C (– 260 °F) at 14.696 psia and stored in insulated cryogenic fuel storage tanks for use as an engine fuel.

2.27.2. Method of Retail Sale and Dispenser Labeling.

2.27.2.1. Method of Retail Sale. – All compressed natural gas kept, offered, or exposed for sale and sold at retail as a vehicle fuel shall be measured in terms of mass, and indicated in the gasoline ~~liter equivalent (GLE), or gasoline~~ gallon equivalent (GGE), diesel gallon equivalent (DGE) units or mass.

2.27.2.2. Dispenser Labeling Compressed Natural Gas. – All retail compressed natural gas dispensers shall be labeled with the equivalent conversion factor in terms of ~~kilograms or~~ pounds (lb). The label shall be permanently and conspicuously displayed on the face of the dispenser

and shall have ~~either~~ the statement “1 Gasoline Gallon Equivalent (GGE) ~~is equal to means~~ 5.660 lb of Compressed Natural Gas” or “1 Diesel Gallon Equivalent (DGE) means 6.384 lb of Compressed Natural Gas” consistent with the method of sale used.

2.27.2.3. Method of Retail Sale. –All liquefied natural gas kept, offered, or exposed for sale and sold at retail as a vehicle fuel shall be measured in mass, and indicated in diesel 1 gallon equivalent (DGE) units, or mass.

2.27.2.4. Dispenser Labeling of Retail Liquefied Natural Gas. – All retail liquefied natural gas dispensers shall be labeled with the equivalent conversion factor in terms of pounds (lb). The label shall be permanently and conspicuously displayed on the face of the dispenser and shall have the statement “1 Diesel Gallon Equivalent (DGE) means 6.059 lb of Liquefied Natural Gas”.