

## 1986 No. 1210

## WEIGHTS AND MEASURES

**The Measuring Equipment (Liquid Fuel delivered from Road Tankers) (Amendment) Regulations 1986**

<i>Made</i>	- - -	11th July 1986
<i>Laid before Parliament</i>		21st July 1986
<i>Coming into Operation</i>		11th August 1986

The Secretary of State, in exercise of powers conferred on him by sections 11(1) and (4), 12(12), 15(1), 86(1) and 94(1) of the Weights and Measures Act 1985(a) and of all other powers enabling him in that behalf, hereby makes the following Regulations:—

1. These Regulations may be cited as the Measuring Equipment (Liquid Fuel delivered from Road Tankers) (Amendment) Regulations 1986 and shall come into operation on 11th August 1986.

2. The Measuring Equipment (Liquid Fuel delivered from Road Tankers) Regulations 1983(b) are hereby amended as follows.

3. In Regulation 2—

(a) in paragraph (1)—

(i) there shall be inserted at the appropriate places in alphabetical order the following definitions:—

““bottom loaded compartment” means a compartment which is designed for filling from the bottom and incorporates a dipstick measuring system or a contents gauging system whose calibration includes the volume of pipework between the foot valve and the outlet valve;”;

““frustrated delivery” means a planned delivery which cannot be completed because:—

- (a) there is not enough space in the customer's storage tank, or
- (b) continuing the delivery would result in prohibited mixing of fuels or contamination, or
- (c) a component of the measuring system breaks down;”;

(a) 1985 c. 72.

(b) S.I. 1983/1390.

““tank shell” means the skin forming the inner surface of the compartment;” and

““top loaded compartment” means a compartment which is designed for filling from the top;”;

(ii) in the definition of “the Act” for the words “Weights and Measures Act 1963” there shall be substituted the words “Weights and Measures Act 1985”; and

(iii) in the definition of “compartment” the words “but does not include” onwards shall be deleted; and

(b) in paragraph (3), there shall be added the following units:—

“Second .....s

Square millimetre .....mm<sup>2</sup>”.

**4. In Regulation 3—**

(a) in paragraph (1), for the words “paragraph (2) below” there shall be substituted the words “paragraphs (2) and (3) below”;

(b) in paragraph (2)(a), for the words “dispensed at other than ambient temperature” there shall be substituted the words “with a kinematic viscosity exceeding 100 mm<sup>2</sup>/s at 15°C”; and

(c) after paragraph (2) there shall be added the following paragraphs:—

“(3) Except for Regulations 4, 5, 17 and 36 below, these Regulations do not apply to meter measuring systems which bear the mark of EEC initial verification.

(4) In this Regulation, “mark of EEC initial verification” means the mark described in paragraph 5 of Schedule 1 to the Measuring Instruments (EEC Requirements) Regulations 1980(a).”.

**5. At the end of the proviso to Regulation 5 there shall be added the following words:—**

“or where a frustrated delivery has taken place and all reasonable precautions have been taken and all due diligence has been exercised to avoid a frustrated delivery”.

**6. After Regulation 19 there shall be inserted the following Regulation:—**

“19A. On and after 1st September 1988, every dipstick measuring system which is incorporated in a bottom loaded compartment shall be made in accordance with a pattern in respect of which a certificate of approval is in force.”.

**7. In Regulation 20—**

(a) in paragraph (4) for the words “bottom of the compartment” and “bottom” there shall be substituted the words “tank shell”;

---

(a) S.I. 1980/1058; the relevant amending instrument is S.I. 1985/1871.

- (b) in paragraph (5), after the word “blade” there shall be inserted the words “of a dipstick associated with a top loaded compartment”;
- (c) in paragraph (6), before the word “compartments” there shall be inserted the words “top loaded”; and
- (d) after paragraph (6) there shall be added the following paragraph:—

“(7) The blades of all dipsticks associated with bottom loaded compartments shall be sufficiently long so that the total amount of liquid fuel in the tank which cannot be indicated by the dipsticks does not exceed 0.7% of the total nominal capacities of the compartments:

Provided that for compartments the use of which commenced before 1st January 1986 this paragraph shall have effect as if for “0.7%” there were substituted “1%”.

8. In Regulation 26, after the word “figures” there shall be inserted the words “and letters”.

9. After Regulation 26 there shall be inserted the following Regulation—

“26A. Every dipstick associated with a bottom loaded compartment shall be marked with the letters “BLV” before the related tank number and on the graduated face of the dipstick at the other end of the blade.”.

10. In Regulation 29, after paragraph (2) there shall be added the following paragraph:—

“(3) Means shall be provided to prevent a dipstick associated with a bottom loaded compartment being used unless the compartment’s foot valve is open.”.

11. For Regulation 30 there shall be substituted the following Regulation:—

“30.— (1) The dipstick guide tube throughout its depth of immersion shall—

- (a) be of not less than 50 mm internal diameter or equivalent cross-sectional area; and
- (b) have uniform venting of at least 0.01 square metre per metre of length, excluding any gauze covering or retaining clips.

(2) In the case of compartments used for liquid fuel other than petroleum spirit a dipstick guide tube above the level of the liquid may be used, but it shall be of such diameter and length that the dipstick is guided sufficiently near to the vertical plane so that any inaccuracy in the indication of quantity cannot exceed the prescribed limits of error.”

12. In Regulation 33—

- (a) at the end of subparagraph (1)(b) there shall be added the words “and its foot valve operating mechanism other than any emergency shut down mechanism”; and

(b) after paragraph (3) there shall be added the following paragraph:—

“(4) A legible, permanent and conspicuous notice shall be positioned adjacent to the outlet valves on every road tanker which has bottom loaded compartments stating—

- (a) that the tanker has bottom loaded compartments;
- (b) that dipsticks associated with bottom loaded compartments must not be used unless the compartment’s foot valve is open; and
- (c) the method of indicating whether the foot valve of any bottom loaded compartment is open or closed.”.

**13.** In Regulation 35, after paragraph (4) there shall be added the following paragraph:—

“(5) Means shall be provided to indicate whether the foot valve opening mechanism of a bottom loaded compartment has been activated.”.

**14.** In Regulation 36(2), for subparagraph (b) there shall be substituted the following subparagraph:—

“(b) with a ticket printing mechanism which shall be used to provide an individual printed ticket.”.

**15.** In Regulation 63, for the words “alteration or addition” there shall be substituted the words “adjustment, alteration, addition, repair or replacement”.

**16.** In Regulation 66(1), for subparagraph (b) there shall be substituted the following subparagraph:—

“(b) the occurrence was confined to the stamp protecting the ticket printing mechanism;”.

*Lucas of Chilworth,*  
Parliamentary Under-Secretary of State,  
Department of Trade and Industry.

11th July 1986.

## EXPLANATORY NOTE

*(This Note is not part of the Regulations.)*

These Regulations amend the Measuring Equipment (Liquid Fuel delivered from Road Tankers) Regulations 1983.

The Regulations make the following changes of substance:—

- (a) additional definitions and abbreviations have been included and certain definitions amended (Regulation 3);
- (b) a more precise description of a heated oil is used, and certain of the Regulations are applied to meter measuring systems bearing the mark of EEC initial verification (Regulation 4);
- (c) a proviso has been included to cover circumstances where a frustrated delivery takes place even though precautions and care have been taken (Regulation 5);
- (d) with effect from 1st September 1988 the patterns of dipstick measuring systems associated with bottom loaded compartments are required to be approved (Regulation 6);
- (e) length requirements for dipsticks associated with bottom loaded compartments are included with a relaxed requirement for compartments the use of which commenced before 1st January 1986 (Regulation 7);
- (f) marking requirements for dipsticks associated with bottom loaded compartments are included (Regulations 8, 9 and 12);
- (g) requirements that dipsticks associated with bottom loaded compartments shall not be used unless the compartments' foot valves are open, and that a means be provided to indicate whether they are open or closed, are included (Regulations 10 and 13);
- (h) the requirement for venting is extended to all dipstick guide tubes (Regulation 11);
- (i) the requirement for meter measuring systems and contents gauging systems to be used for trade in conjunction with a ticket printing mechanism is clarified (Regulation 14);
- (j) the circumstances in which an inspector shall obliterate a stamp have been redefined to include adjustments, repairs and replacements (Regulation 15); and
- (k) the circumstances in which a meter measuring system may be used without a stamp are restricted (Regulation 16).

SI 1986/1210  
ISBN 0-11-067210-0



780110 672106