

Chapter Ind 10 PETROLEUM PRODUCTS

Ind 10.01 No. 2 fuel oil specifications
Ind 10.02 No. 1 fuel oil specifications

Ind 10.03 Gasoline and kerosene specifications

Ind 10.01 No. 2 fuel oil specifications. All petroleum products designated by name or reference as "No. 2 fuel oil" and "No. 2 diesel fuel" shall meet the following minimum product grade specifications:

(1) **FLASH POINT.** The flash point, by means of the Tagliabue closed cup tester, shall be not less than 110° F.

(2) **VOLATILITY.** Not less than 90% of the product shall be recovered at 640° F.

Note: Pursuant to section 168.07, Wis. Stats., the department will conduct their inspections in accordance with the methods outlined in the latest revision of the ASTM Book of Standards of the American Society for Testing and Materials.

(3) **CLASSIFICATION.** Any petroleum product meeting the specifications outlined above shall, for the purpose of this section, be classified as No. 2 fuel oil or No. 2 diesel fuel.

History: Emerg. cr. eff. 8-4-77; cr. Register, December, 1977, No. 264, eff. 1-1-78.

Ind 10.02 No. 1 fuel oil specifications. All petroleum products designated by name or reference as "No. 1 fuel oil" and "No. 1 diesel fuel" shall meet the following minimum product grade specifications:

(1) **FLASH POINT.** The flash point, by means of the Tagliabue closed cup tester, shall be not less than 110° F.

(2) **VOLATILITY.** Not less than 90% shall be recovered at 550° F.

History: Emerg. cr. eff. 12-1-77; cr. Register, April, 1978, No. 268, eff. 5-1-78.

Ind 10.03 Gasoline and kerosene specifications. (1) **GASOLINE.** Gasoline sold or offered for sale in this state shall be visually free of undissolved water, sediment and suspended matter, shall be clear and bright at the ambient temperature of 70° F (21 C), whichever is higher, and shall meet the following minimum specifications:

- (a) An initial boiling point of not more than 131° F.
- (b) Not less than 10% shall be evaporated at 167° F.
- (c) Not less than 50% shall be evaporated at 284° F.
- (d) Not less than 90% shall be evaporated at 392° F.
- (e) The end point shall not exceed 437° F.
- (f) The natural residue shall not exceed 2%.

(2) **ADDITIONAL SPECIFICATIONS FOR GASOLINE.** Gasoline sold or offered for sale in this state shall also meet the following specifications: (a) Reid vapor pressure shall not exceed the following number of pounds:

- 1. 11.5 in the months of June, July, August and September.

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2. 13.5 in the months of April, May and October.

3. 15 in the months of January, February, March, November and December.

(b) Sulphur shall not exceed 0.25% by weight.

(c) Corrosion by the copper strip tarnish test shall not exceed no. 1 (slight tarnish).

(d) Existent gum shall not exceed 5 mg. per 100 ml.

(3) KEROSENE. Any petroleum product designated by name or reference as "kerosene" shall meet the following specifications:

(a) The flash point by means of the Tagliabue closed cup tester shall be not less than 110° F.

(b) The end point shall not exceed 572° F.

(c) The color shall not be darker than plus 16 Saybolt.

(4) CLASSIFICATION. Any petroleum product meeting the specifications set out in sub. (3) shall, for the purposes of this section, be classified as kerosene; provided that if any product meets the flash and end point specifications given above and is darker in color than plus 16 Saybolt because of the addition of artificial coloring or of any other product of a darker color, the color specification provided above automatically becomes ineffective, and the flash and end point specifications become the sole determining factors.

Note: Pursuant to section 188.07, Wis. Stats., the department will conduct their inspections in accordance with the methods outlined in the latest revision of the ASTM Book of Standards of the American Society for Testing and Materials.

History: Emerg. cr. eff. 12-1-77; cr. Register, April, 1978, No. 268, eff. 5-1-78.