

House File 792  
Commerce  
Carr, Chairman  
Gallagher  
Briles

~~ACT~~

HOUSE FILE 792

BY COMMITTEE ON AGRICULTURE

Place On Calendar

*See Commerce 5/2, Pass 5/30*

Passed House, Date 4-28-75 (1989) Passed Senate, Date 6-11-75 (1987)

Vote: Ayes 78 Nays 0 Vote: Ayes 48 Nays 0

Approved 6-29

## A BILL FOR

1 An Act relating to the legal specifications for gasoline  
2 volatility.

3 BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF IOWA:

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1 Section 1. Section two hundred fourteen A point two  
2 (214A.2), Code 1975, is amended to read as follows:

3 214A.2 TESTS AND STANDARDS. Any motor vehicle fuel known  
4 or sold as motor gasoline or sold or offered for sale as a  
5 substitute for or as having the properties of motor gasoline  
6 shall conform to the following tests and specifications:

7 Gasoline shall be free from water and suspended matter.

8 CORROSIVE TEST. A. S. T. M. D-130. A clean, freshly  
9 polished copper strip shall not be darker than A. S. T. M.  
10 Standard 1 when submerged in the gasoline for three hours  
11 at 122 degrees F.

12 DISTILLATION RANGE. A. S. T. M. D-86. When ten percent  
13 is evaporated, the thermometer shall not read more than 167  
14 degrees F.

15 When fifty percent is evaporated the thermometer shall  
16 not read more than 284 degrees F.

17 When ninety percent is evaporated the thermometer shall  
18 not read more than 392 degrees F.

19 The end point shall not be more than 437 degrees F.

20 ~~At least ninety-five percent shall be recovered as~~  
21 ~~distillate in the receiver from distillation.~~

22 Residue on distillation shall not be more than two percent.

23 Sulfur A. S. T. M. D-90.

24 The sulfur shall not exceed zero point twenty-five percent.

25 ~~VAPOR PRESSURE. A. S. T. M. D-323-latest-revision.~~

26 ~~The vapor pressure at 100 degrees F. shall not be more~~  
27 ~~than:~~

28 ~~Fifteen pounds per square inch during the months of~~  
29 ~~November, December, January and February.~~

30 ~~Twelve pounds per square inch during the months of March,~~  
31 ~~April, May, September and October.~~

32 ~~Ten pounds per square inch during the months of June, July~~  
33 ~~and August.~~

34 The Reid vapor pressure shall conform to the American  
35 society for testing and materials specification A. S. T. M.

1 D-439-74, for volatility as outlined in paragraph 6.1.3  
2 and tables 1 and 2 of that specification.

3 Octane number A. S. T. M. D-908, Research Method.

4 Octane number for regular grade gasoline shall follow the  
5 specifications of A. S. T. M. and not less than eighty-six.

6 Octane number for premium grade gasoline shall follow the  
7 specifications of A. S. T. M. and be not less than ninety-  
8 five.

9 Sec. 2. A. S. T. M. means the A. S. T. M. standards in  
10 effect on July 1, 1975.

11 EXPLANATION

12 This Act revises the state of Iowa's legal specifications  
13 for gasoline volatility to conform with A. S. T. M. D-439-  
14 74 limits. This will assure satisfactory vehicle performance  
15 throughout the year and provide maximum product availability  
16 to Iowa. The current specification is more restrictive than  
17 that used by surrounding states, the federal government, and  
18 A. S. T. M. specifications during winter months of the year.

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## AN ACT

RELATING TO THE LEGAL SPECIFICATIONS FOR GASOLINE VOLATILITY.

BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF IOWA:

Section 1. Section two hundred fourteen A point two (214A.2), Code 1975, is amended to read as follows:

214A.2 TESTS AND STANDARDS. Any motor vehicle fuel known or sold as motor gasoline or sold or offered for sale as a substitute for or as having the properties of motor gasoline shall conform to the following tests and specifications:

Gasoline shall be free from water and suspended matter.

CORROSIVE TEST. A. S. T. M. D-130. A clean, freshly polished copper strip shall not be darker than A. S. T. M. Standard 1 when submerged in the gasoline for three hours at 122 degrees F.

DISTILLATION RANGE. A. S. T. M. D-86. When ten percent is evaporated, the thermometer shall not read more than 167 degrees F.

When fifty percent is evaporated the thermometer shall not read more than 284 degrees F.

When ninety percent is evaporated the thermometer shall not read more than 392 degrees F.

The end point shall not be more than 437 degrees F.

~~At least ninety-five percent shall be recovered as distillate in the receiver from distillation.~~

Residue on distillation shall not be more than two percent.

Sulfur A. S. T. M. D-90.

The sulfur shall not exceed zero point twenty-five percent.

VAPOR PRESSURE. ~~A-67-F-M-D-323-latest-revision.~~

~~The vapor pressure at 100 degrees F. shall not be more than~~

~~Fifteen pounds per square inch during the months of November, December, January and February.~~

~~Twelve pounds per square inch during the months of March, April, May, September and October.~~

~~Ten pounds per square inch during the months of June, July and August.~~

The Reid vapor pressure shall conform to the American society for testing and materials specification A. S. T. M. D-439-74, for volatility as outlined in paragraph 6.1.3 and tables 1 and 2 of that specification.

Octane number A. S. T. M. D-908, Research Method.

Octane number for regular grade gasoline shall follow the specifications of A. S. T. M. and not less than eighty-six.

Octane number for premium grade gasoline shall follow the specifications of A. S. T. M. and be not less than ninety-five.

Sec. 2. A. S. T. M. means the A. S. T. M. standards in effect on July 1, 1975.

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DALE M. COCHRAN  
Speaker of the House

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ARTHUR A. NEU  
President of the Senate

I hereby certify that this bill originated in the House and is known as House File 792, Sixty-sixth General Assembly.

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DAVID L. WRAY  
Chief Clerk of the House

Approved 6/29, 1975

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ROBERT D. RAY  
Governor