

Reprinted 2/25

HOUSE FILE 2059

BY COMMITTEE ON COMMERCE

JAN 18 1982

House File

Passed House, Date 2-23-82 (p. 505) Passed Senate, Date _____
Vote: Ayes 93 Nays 0 Vote: Ayes _____ Nays _____
Approved _____

A BILL FOR

1 An Act relating to motor fuel tests.
2 BE IT ENACTED BY THE GENERAL ASSEMBLY OF THE STATE OF IOWA:

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2059

House File 2059

H-5002

- 1 Amend House File 2059 as follows:
- 2 1. Page 2, line 7, by striking the word "ninety-
- 3 one" and inserting in lieu thereof the word "ninety".
- 4 2. Page 2, line 10, by striking the word "eighty-
- 5 eight" and inserting in lieu thereof the word "ninety".
- 6 3. Page 2, line 13, by striking the word "ninety"
- 7 and inserting in lieu thereof the word "eighty-nine".

H-5002 FILED

BY SCHROEDER of Pottawattamie

January 18, 1982

2/15 2/23 (p. 503)

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1 Section 1. Section 214A.2, Code 1981, is amended to read
2 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 CORROSION TEST. A.S.T.M. D-130 latest revision. A clean,
9 freshly 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 F.

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

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

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

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

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

21 Sulfur A.S.T.M. D-90 latest revision.

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

23 VAPOR PRESSURE. The Reid vapor pressure shall conform
24 to the American society for testing and materials specification
25 A.S.T.M. D-439-74 ES-5-79, for volatility as outlined in
26 paragraph ~~6-1-3-and-tables-1-and-2~~ 7.1.3 of that specification.

27 OCTANE NUMBER. Octane number ~~A-S-T-M-D-908,-Research~~
28 ~~Method,-latest-revision~~ shall conform to the average of the
29 values obtained from the A.S.T.M. D-2699 research method and
30 the A.S.T.M. D-2700 motor method.

31 Octane number for regular grade gasoline shall follow the
32 latest specifications of A.S.T.M. and shall not be less than
33 ~~eighty-six~~ eighty-eight.

34 Octane number for premium grade leaded gasoline shall
35 follow the latest specification specifications of A.S.T.M.

1 and be shall not be less than ninety-five.

2 Octane number for unleaded grade gasoline shall follow
3 the latest specifications of A.S.T.M. and shall not be less
4 than eighty-seven.

5 Octane number for premium unleaded gasoline shall follow
6 the latest specifications of A.S.T.M. and shall not be less
7 than ninety-one.

8 Octane number for ethanol-blended leaded fuel shall follow
9 the latest specifications of A.S.T.M. and shall not be less
10 than eighty-eight.

11 Octane number for ethanol-blended unleaded fuel shall
12 follow the latest specifications of A.S.T.M. and shall not
13 be less than ninety.

14 "A.S.T.M." means the A.S.T.M. standards in effect on July
15 17-1975 9, 1979.

16 EXPLANATION

17 This bill adopts a revised gasoline specification,
18 designated ES-5-79 as approved by the American society for
19 testing and materials on July 9, 1979, which allows an increase
20 in the Reid vapor pressure. It also specifies octane numbers
21 for certain types of gasoline and ethanol-blended fuels.
22 This bill takes effect July 1 following enactment.

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HOUSE FILE 2059

H-5184

- 1 Amend amendment H-5035 to House File 2059 as
- 2 follows:
- 3 1. Page 1, line 34, by inserting after the
- 4 word "for" the words "ten percent".
- 5 2. Page 1, line 37, by inserting after the
- 6 word "for" the words "ten percent".

H-5184 FILED
FEBRUARY 18, 1982

Adopted 2/23 (p. 504)

BY BENNETT of Ida
HARBOR of Mills

HOUSE FILE 2059

H-5035

1 Amend House File 2059 as follows:

2 1. By striking everything after the enacting
3 clause and inserting in lieu thereof the following:

4 "Section 1. Section 214A.2, Code 1981, is amended
5 by striking the section and inserting in lieu thereof
6 the following:

7 214A.2 TEST AND STANDARDS.

8 1. The secretary is authorized, after public
9 hearing following due notice, to make appropriate
10 rules for carrying out the provisions of this chapter.
11 In the interest of uniformity, the secretary shall
12 adopt by reference or otherwise specifications relating
13 to tests and standards for motor fuel established
14 by the American society for testing and materials
15 (A.S.T.M.), unless the secretary determines those
16 specifications are inconsistent with this chapter
17 or are not appropriate to the conditions which exist
18 in this state.

19 2. Octane number shall conform to the average
20 of values obtained from the A.S.T.M. D-2699 research
21 method and the A.S.T.M. D-2700 motor method.

22 Octane number for regular grade gasoline shall
23 follow the latest specifications of A.S.T.M. and shall
24 not be less than eighty-eight.

25 Octane number for premium grade leaded gasoline
26 shall follow the latest specifications of A.S.T.M.
27 and shall not be less than ninety-three.

28 Octane number for unleaded grade gasoline shall
29 follow the latest specifications of A.S.T.M. and shall
30 not be less than eighty-seven.

31 Octane number for premium grade unleaded gasoline
32 shall follow the latest specifications of A.S.T.M.
33 and shall not be less than ninety.

34 Octane number for ethanol-blended leaded fuel shall
35 follow the latest specifications of A.S.T.M. and shall
36 not be less than ninety.

37 Octane number for ethanol-blended unleaded fuel
38 shall follow the latest specifications of A.S.T.M.
39 and shall not be less than eighty-nine.

40 "A.S.T.M." means the A.S.T.M. standards in effect
41 on July 1, 1981."

H-5035 FILED FEBRUARY 2, 1982 BY SCHROEDER of Pottawattamie

*Adopted and amended by 5184
2/23 (p. 505)*

See Commerce 2/26
HOUSE FILE 2059 *Re Pass 3/24 (p. 897)*

Commerce
Holden, Chair
Craft
Rush

HOUSE FILE 2059

BY COMMITTEE ON COMMERCE

(As Amended and Passed by the Hous.

Passed House, Date 2-23-82 (p. 505) Passed Senate, Date 4-2-82 (p. 1007)

Vote: Ayes 93 Nays 0 Vote: Ayes 49 Nays 0

Approved April 19, 1982

A BILL FOR

1 An Act relating to motor fuel tests.

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

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House Amendments _____

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HOUSE FILE 2059

S-5392

1 Amend House File 2059, as amended, passed, and
2 reprinted by the House as follows:

3 1. Page 2, line 1, by adding after the figures
4 "1, 1981." the words "An amount of alcohol equaling
5 three percent or more, shall be used to reach the
6 octane level necessary to meet the A.S.T.M. D-2699
7 research method and the A.S.T.M. D-2700 motor method
8 of octane for each grade of gasoline."

S-5392 FILED

BY JOHN W. JENSEN

MARCH 26, 1982

7/15 4/2 (p. 1006)

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1 Section 1. Section 214A.2, Code 1981, is amended by
2 striking the section and inserting in lieu thereof the
3 following:

4 214A.2 TEST AND STANDARDS.

5 1. The secretary is authorized, after public hearing fol-
6 lowing due notice, to make appropriate rules for carrying
7 out the provisions of this chapter. In the interest of
8 uniformity, the secretary shall adopt by reference or otherwise
9 specifications relating to tests and standards for motor fuel
10 established by the American society for testing and materials
11 (A.S.T.M.), unless the secretary determines those
12 specifications are inconsistent with this chapter or are not
13 appropriate to the conditions which exist in this state.

14 2. Octane number shall conform to the average of values
15 obtained from the A.S.T.M. D-2699 research method and the
16 A.S.T.M. D-2700 motor method.

17 Octane number for regular grade gasoline shall follow the
18 latest specifications of A.S.T.M. and shall not be less than
19 eighty-eight.

20 Octane number for premium grade leaded gasoline shall fol-
21 low the latest specifications of A.S.T.M. and shall not be
22 less than ninety-three.

23 Octane number for unleaded grade gasoline shall follow
24 the latest specifications of A.S.T.M. and shall not be less
25 than eighty-seven.

26 Octane number for premium grade unleaded gasoline shall
27 follow the latest specifications of A.S.T.M. and shall not
28 be less than ninety.

29 Octane number for ten percent ethanol-blended leaded fuel
30 shall follow the latest specifications of A.S.T.M. and shall
31 not be less than ninety.

32 Octane number for ten percent ethanol-blended unleaded
33 fuel shall follow the latest specifications of A.S.T.M. and
34 shall not be less than eighty-nine.

35 "A.S.T.M." means the A.S.T.M. standards in effect on July

1, 1981.

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HOUSE FILE 2059

AN ACT
RELATING TO MOTOR FUEL TESTS.

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

Section 1. Section 214A.2, Code 1981, is amended by striking the section and inserting in lieu thereof the following:

214A.2 TEST AND STANDARDS.

1. The secretary is authorized, after public hearing following due notice, to make appropriate rules for carrying out the provisions of this chapter. In the interest of uniformity, the secretary shall adopt by reference or otherwise specifications relating to tests and standards for motor fuel established by the American society for testing and materials (A.S.T.M.), unless the secretary determines those specifications are inconsistent with this chapter or are not appropriate to the conditions which exist in this state.

2. Octane number shall conform to the average of values obtained from the A.S.T.M. D-2699 research method and the A.S.T.M. D-2700 motor method.

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

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

Octane number for unleaded grade gasoline shall follow the latest specifications of A.S.T.M. and shall not be less than eighty-seven.

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

Octane number for ten percent ethanol-blended leaded fuel shall follow the latest specifications of A.S.T.M. and shall not be less than ninety.

Octane number for ten percent ethanol-blended unleaded fuel shall follow the latest specifications of A.S.T.M. and shall not be less than eighty-nine.

"A.S.T.M." means the A.S.T.M. standards in effect on July 1, 1981.

DELWYN STROMER
Speaker of the House

TERRY E. BRANSTAD
President of the Senate

I hereby certify that this bill originated in the House and is known as House File 2059, Sixty-ninth General Assembly.

ELIZABETH A. ISAACSON
Chief Clerk of the House

Approved April 19, 1982

ROBERT D. RAY
Governor