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 AMERICAN PETROLEUM INSTITUTE
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STANDARD ABRIDGED VOLUME CORRECTION TABLE FOR PETROLEUM OILS¹

A.S.T.M. Designation: D 206 - 36

This table is issued under the fixed designation D 206, the final number indicates the year of original adoption as standard or, in case of revision, the year of last revision.

ADOPTED, 1925; REVISED, 1934, 1936.

This abridged table has been prepared by the National Bureau of Standards to meet a demand from the oil industry for a short and convenient table for reducing oil volumes to the basis of 60 F., when extreme accuracy is not required. It is not intended to replace the Bureau of Standards *Circular No. 410*, but rather to supplement it and especially to replace the various abridged tables heretofore employed in the oil industry.

The groups, coefficients of expansion, gravity (degrees A.P.I.), and gravity ranges for the several subdivisions of the present abridged table follow:

GROUP NUMBER	COEFFICIENT OF EXPANSION AT 60 F.	GRAVITY, DEGREES A.P.I.	GRAVITY RANGE OF GROUP (DEGREES A.P.I. AT 60 F.)
0.....	0.00035	6	Up to 14.9
1.....	0.00040	22	15.0 to 34.9
2.....	0.00050	44	35.0 to 50.9
3.....	0.00060	58	51.0 to 63.9
4.....	0.00070	72	64.0 to 78.9
5.....	0.00080	86	79.0 to 88.9
6.....	0.00085	91	89.0 to 93.9
7.....	0.00090	97	94.0 to 100.0

All motor fuel blends of gasoline and benzol shall be considered as falling in Group 3. In cases of uncertainty regarding the presence of benzol, a product having a gravity heavier (numerically less) than 51 deg. A.P.I., and a 50 per cent recovery point less than 293 F. (145 C.) shall be considered as falling in Group 3.

This table shows the volume occupied at 60 F. by a quantity of oil occupying unit volume at the indicated temperatures.

¹ Under the standardization procedure of the Society, this table is under the jurisdiction of the A.S.T.M. Committee D-2 on Petroleum Products and Lubricants.

This abridged table differs from that published in 1934 in three respects: The multipliers for Group 0 have been revised slightly; Group 1 has been extended from 249 to 499 F.; and Groups 4, 5 and 6 have been extended from 99 to 124 F.

The multipliers in the Group 0 table in the 1934 standard were taken from the National Bureau of Standards *Miscellaneous Publication No. 57*. With the revision of *Circular No. 154* (published as *Circular No. 410*) to include data on oils from 0 to 10° A.P.I., it has seemed desirable to employ the procedure followed in the other groups and choose the column of multipliers from the unabridged table which has a base coefficient of expansion nearest 0.00035, which in the case of Group 0 is the column corresponding to a gravity of 6° A.P.I.