

Recommended Practice for
VOLUME CALCULATIONS AND CORRECTIONS
IN THE MEASUREMENT OF PETROLEUM
AND PETROLEUM PRODUCTS¹



ASTM Designation: D 1087 – 60

ADOPTED, 1960.²

This Recommended Practice of the American Society for Testing Materials is issued under the fixed designation D 1087; the final number indicates the year of original adoption or, in the case of revision, the year of last revision.

Scope

1. This recommended practice describes procedures for volume calculations and corrections in the measurement of petroleum and its liquid products.

Terminology

2. (a) *Measured Quantity* is the volume of material in a tank for a given gage at the temperature observed at the time of gaging.

(b) *Gross Quantity at 60 F.* is the measured quantity converted to the equivalent volume at 60 F. after deducting any free water and sediment (FW & S) which may be present.

(c) *Net Quantity at 60 F.* is the gross quantity at 60 F. corrected for any *deductible* suspended water and sediment (SW & S) which may be present. (All SW & S is deductible, unless otherwise specified by contract.)

NOTE.—In crude oil measuring and testing, "FW & S" and "SW & S" are frequently referred to as "BS & W," meaning respectively "Bottom" and "Basic" Sediment and Water.

(d) *Tables.*—All references in this standard to tables followed by a

¹ Under the standardization procedure of the Society, this recommended practice is under the jurisdiction of the ASTM Committee D-2 on Petroleum Products and Lubricants.

² Prior to adoption, this recommended practice was published as tentative from 1950 to 1960, being revised in 1952 and 1957.

In 1960, this recommended practice was adopted without revision.