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Windows Based ASTM Calculation Tables, Volume Correction ...

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Bunker Survey Calculation - Marine Surveyor Information

The easiest explanation of Liquid Cargo Calculations ...

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- Excel Formula-Density Conversion to 15 deg C, table ASTM ...

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Volume correction factors—liquefied petroleum gas or propane
Disagreement between ASTM D1250 table 53b and calculation ...

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each time to the correction tables (ASTM tables 53b-54b) in order to calculate the real volume in 15°C?? Any help would be ...ASTM tables 53B-54B help needed!!! - ASTM (testing ...ASTM Table 54 Volume Reduction to 15°C Observed Temp. (°C) TMM TFD D 15: Density (kg/m³) @ 15°C 500 505 510 515 520 525 530 535 540 545 550 555 560 565 570 575 580 58 15.0ASTM Table 54 - metrologycentreindia.com Table 54B= Table 54D= User info General formula: $VCF = \exp(b)$ and :

$a = (K_0 + K_1 \times \text{Density @ } 15 / \text{vac}) / (\text{Density @ } 15 / \text{vac}^2)$ diff temp = $b = -a \times \text{diff temp} \times (1 + 0,8 \times a \times \text{diff temp})$ diff temp = actual temp - 15
Formula for Table 54B and 770 <= Dens @ 15/vac < 778: $VCF = \exp(d)$ and : $c = -0,0033612 + 2680,32 / (\text{Density @ } 15 / \text{vac}^2)$ $d = -c \times \text{diff temp} \times (1 + 0,8 \times c \times \text{diff temp})$ Table 54A $K_0 = a = VCF = K_1 = \text{ASTM tables - seaworm.narod.ru}$ Table 54B & Table 56 Application is a tool to obtain Volume Correction Factors & Weight

Conversion Factors Application is a simple tool to obtain Volume Correction Factor & Weight Conversion Factor for calculations on petroleum product. User must input Density at 15°C ...ASTM Table 54B & Table 56 Calculator for iOS - Free ...Let us say cargo surveyor provided the density at 15 deg C as 0.816 and ASTM table 54B to be used. Let us use the same volumes and temperatures that we have used in our initial example. So first we need to find the VCF from ASTM

table 54 for temperature
34 Deg C.Cargo
Calculations on Tankers
with ASTM Tables: Here is
...Lists of Android/iOs
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see here. (These apps
convert exactly as per
ASTM tables 5a, 5b, 6a,
6b, 23a,23b, 24a,24b,
53a,53b, 54a,54b to
standard temperature 15
C, 20 C and 60 F.)One
follower from Kiev,
Ukraine has requested the
formula for the subject
conversion.- Excel
Formula-Density
Conversion to 15 deg C,

table ASTM ...Density at
15 °C = 800 kg/m³ (table
54B) Refer to bulletin
V-18 for more information
on product
classes.Volume correction
factors to 15 °C for use
with all grades ...ASTM
V.C.F & W.C.F This
application is a tool to
obtain Volume Correction
Factor & Weight
Conversion Factor for
calculations on petroleum
product based on ASTM
international standards
(Table 54B & Table 56).
User must input Density
at 15 o C (kg/m³) and
observed temperature to

obtain the Volume
Correction Factor (VCF) &
Weight Conversion Factor
(WCF). Volume Correction
Factor (ASTM Table 54B
...ASTM 54B & 56
CONVERSION CALC - Apps
on Google PlayTable 6A,
6B, 6D - Automatic
generation of Volume
Correction Factors to 5
DECIMAL PLACES. Table
5A, 5B - Automatic
generation of Gravity @
Observed Temperature to
Gravity @ 60°F. Table 8 -
Generates Pound per
Gallon Factors to 4
DECIMAL PLACES. Table
11 - Generates Long Ton

per Barrel Factors. Table 13 - Generates Metric Ton per Barrel Factor. Windows Based ASTM Calculation Tables, Volume Correction ...Load/discharge of Liquefied Petroleum Gases (LPG) by Tables 53, 54 (ASTM D 1250-1952) or by API MPMS Chapter 11.2.4. Tables 53E, 54E dated 2007. This program allows to use built-in shore tank calibration tables, to download TankMaster data in pre-set Excel format. Petroleum, LPG, Dry Cargo Software, Table ... -

surveycalc.comwww.kaizad.co.ukwww.kaizad.co.ukVolume correction factors—liquefied petroleum gas or propane . Revision 2 – May 2016. Density at 15 °C = 510 kg/m³ (table ASTM-IP 54, 1986) Refer to bulletin V-18 for more information on product classes. Volume correction factors to 15 °C for use with all grades of liquefied petroleum gas (LPG) or propane Temperature °CVolume correction factors—liquefied petroleum gas or propane##BY ASTM

TABLES ## Anyways, If you don't have such table then you must need to consult with ASTM TABLE (American Society for Testing and Materials, is an international standards organization). Now let's think of the GOV to gross standard Volume (GSV)? GSV will be aquired only after correction of volume due to temperature changes.The easiest explanation of Liquid Cargo Calculations ...Check the astm table for your cargo density and heating temperature. If use astm table 54b, when

density 0.910 @ 20*c the factor is 0.9962. Then $11,250 \text{ m}^3 \times 0.9662 = 11,207.25 \text{ m}^3$ @ 15*c. If the heating applied, then temperature increased to 30*c and density at 0.910 the factor in astm table 54b is 0.9886, and your volume m3 will be increased to Bunker Survey Calculation - Marine Surveyor Information So I try using it but I soon discovered that the values of table ASTM D1250, vol VIII, table 53B cannot be reproduced. So I looked further and I came across

one piece of freeware and one shareware that can do the calculation and produce the exact values of table 53B. Disagreement between ASTM D1250 table 53b and calculation ... Now also with settings to switch between calculation using ASTM Table 6A / 6B / 6D (especially for US) and ASTM Table 54A / 54B, and an option to calculate Metric Tons in air using either Table 56 or (dens in vacuo - 11 points). Check the astm table for your cargo density and

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Table 54B= Table 54D= User info General formula:
 $VCF = \exp(b)$ and :
 $a = (K0 + K1 \times \text{Density} @ 15/vac) / (\text{Density} @ 15/vac^2)$ diff temp= b=
 $a \times \text{diff temp} \times (1 + 0,8 \times a \times \text{diff temp})$ diff temp=actual temp-15
 Formula for Table 54B and 770 <= Dens @ 15/vac < 778: $VCF = \exp(d)$ and :
 $c = -0,0033612 + 2680,32 / (\text{Density} @ 15/vac^2)$ d=
 $c \times \text{diff temp} \times (1 + 0,8 \times c \times \text{diff temp})$ Table 54A
 $K0 = a = VCF = K1 =$
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ASTM tables - seaworm.narod.ru

Lists of Android/iOs Apps developed on Petroleum

Calculation - see here.
 (These apps convert exactly as per ASTM tables 5a, 5b, 6a, 6b, 23a,23b, 24a,24b, 53a,53b, 54a,54b to standard temperature 15 C, 20 C and 60 F.)One follower from Kiev, Ukraine has requested the formula for the subject conversion.
 - *Excel Formula-Density Conversion to 15 deg C, table ASTM ...*
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(Table 54B & Table 56). User must input Density at 15 o C (kg/m³) and observed temperature to obtain the Volume Correction Factor (VCF) & Weight Conversion Factor (WCF). Volume Correction Factor (ASTM Table 54B ...
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to find the VCF from ASTM table 54 for temperature 34 Deg C.

Volume correction factors—liquefied petroleum gas or propane

I have heard that such thing is written in ASTM petroleum measurement tables volume X which I do not have. I want to automate a process by entering in an excel file the volume and density of petroleum, without looking each time to the correction tables (ASTM tables 53b-54b) in order to calculate the real volume in 15oC?? Any help would

be ...

*Disagreement between
ASTM D1250 table 53b*

and calculation ...

Density at 15 °C = 800
kg/m³ (table 54B) Refer

to bulletin V-18 for more
information on product
classes.

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