

VISCOSITY SYSTEM FOR INDUSTRIAL FLUID LUBRICANTS ASTM D2422-86

Viscosity System Grade Identification	Mid-Point Viscosity at 40°C	SAE Viscosity
ISO VG 22	22 cSt	SAE 5
ISO VG 32	32 cSt	SAE 10
ISO VG 46	46 cSt	SAE 20
ISO VG 68	68 cSt	SAE 20
ISO VG 100	100 cSt	SAE 30
ISO VG 150	150 cSt	SAE 40
ISO VG 220	220 cSt	SAE 50
ISO VG 320	320 cSt	
ISO VG 460	460 cSt	
ISO VG 680	680 cSt	

Weights & Measures

CUBIC MEASURE

1,728 cubic inches = 1 cubic foot
 27 cubic feet = 1 cubic yard
 128 cubic feet = 1 cord (wood)
 40 cubic feet = 1 ton (shipping)
 2,150.42 cubic inches = 1 standard bu.
 231 cubic inches = U.S. standard gal.
 1 cubic foot = about 4/5 of a bushel

LONG MEASURE

12 inches = 1 foot
 3 feet = 1 yard
 5 1/2 yards = 1 rod
 40 rods = 1 furlong
 8 furlongs = 1 sta. mile
 3 miles = 1 league
 5,280 feet = 1 mile

IMPERIAL LIQUID MEASURE

1 U.S. Gallon = 0.833 Imperial gallon
 1 U.S. Gallon = 3.785 liters
 1 liter = 0.264 U.S. gallon
 1 Imperial Gallon = 1.201 U.S. gallon

TEMPERATURE CONVERSIONS

A Fahrenheit degree is smaller than a Centigrade (Celsius) degree, one Fahrenheit degree being 5/9 of a Centigrade degree.

To convert Fahrenheit degrees into Centigrade, subtract 32, multiply by 5, and divide by 9.

To convert Centigrade into Fahrenheit, multiply by 9, divide by 5 and add 32.

TIME MEASURE

60 seconds = 1 minute
 60 minutes = 1 hour
 24 hours = 1 day
 7 days = 1 week
 28, 29, 30, 31 days = 1 cal. month
 30 days = 1 month = in comp. interest
 365 days = 1 year (366 days in 1 leap yr.)

LIQUID MEASURE

16 ounces = 1 pint
 2 pints = 1 quart
 4 quarts = 1 gallon
 3 1/2 gallons = 1 barrel

SQUARE MEASURE

144 sq. inches = 1 sq. foot
 9 sq. ft. = 1 sq. yard
 30 1/4 sq. yards = 1 sq. rod
 40 sq. rods = 1 rood
 4 roods = 1 acre
 640 acres = 1 sq. mile
 43,560 sq. feet = 1 acre

DRY MEASURE

2 pints = 1 quart
 8 quarts = 1 peck
 4 pecks = 1 bushel
 36 bushels = 1 chaldron

METRIC EQUIVALENTS

WEIGHTS

1 gram = 0.03527 ounce
 1 ounce = 28.35 grams
 1 kilogram = 2.2046 pounds
 1 pound = 0.4536 kilogram
 1 metric ton = 0.98421 English ton
 1 English ton = 1.016 metric ton

LINEAR

1 centimeter = 0.3937 inches
 1 inch = 2.54 centimeters
 1 meter = 39.37 in. = 1.0936 yards
 1 yard = 0.9144 meter
 1 decameter = 1.9884 rods
 1 rod = 0.5029 decameter
 1 kilometer = 0.621 mile
 1 mile = 1.609 kilometers