

SUBJECT	UNIT	CONVERSATION FACTOR
LENGTH	1 yd	= 0.9144 m
	1 ft	= 0.3084 m
	1 m	= 3.28 ft
	1 in	= 2.54 cm
	1 cm	= 0.3937 in
	1 mile	= 1.6093 Km
	1 Km	= 0.6214 mile
AREA	1 yd ²	= 0.8361 m ²
	1 m ²	= 1.1960 yd ²
	1 in ²	= 6.452 cm ²
	1 cm ²	= 0.155 in ²
VOLUME	1 cu in ³	= 16.3872 cc
	1 cc	= 0.0610 in ³
	1 ft ³	= 0.02832 m ³
	1 m ³	= 35.314 ft ³
	1 yd ³	= 0.7646 m ³
	1 m ³	= 1.3079 yd ³
	1 US fluid ounce , fl OZ	= 0.029574 litre
	1 US pint , liq pt (116 Oz)	= 0.47317 litre
	1 US qt (32 Oz)	= 3.785412 litre
	1 US gal (4 US qt)	= 0.946353 litre
	1 US barrel bbl (42 US gal)	= 158.9873 litre
	1 Imp gal	= 4.54596 litre
	1 litre	= 0.21998 Imp gal
	1 Imp gal	= 1.201 US gal
	1 litre	= 1.76 pint
MASS& WEIGHT	1 OZ	= 28.3495 g
	1 g	= 0.03527 OZ
	1 lb	= 453.59 g
	1 Kg	= 2.20462 lb
	Short ton t (2000 lb)	= 907.1847 Kg
	Long tone lt	= 1016.0 Kg
	Metric ton tone	= 1000 Kg
DENSITY & CONCENTRATION	1 g/litre	= 0.16035 OZ/Imp gal
	1 g/litre	= 0.01002 lb/Imp gal
	1 lb/Imp gal	= 99.8003 g/litre
	1 OZ/Imp gal	= 6.236 g/litre
	1 lb/US gal	= 0.11983 K g/litre
	1 lb/in ³	= 27.680 g/cm ³

	1 lb/ft^3	$= 16.018 \text{ Kg/m}^3$
	API GRAVITY DEGREE	$=(141.5/\text{sp. gr}@60/60^\circ\text{F})-131.5$
PRESSURE (FORCE/AREA)	$1 \text{ lb -force/in}^2, \text{ psi}$	$=0.070307 \text{ Kg/cm}^2$
	$1 \text{ lb -force/in}^2, \text{ psi}$	$=6.894757 \text{ KPa}$
	$1 \text{ lb -force/in}^2, \text{ psi}$	$=51.71492 \text{ mmHg @ } 0^\circ \text{ c}$
	$1 \text{ lb -force/in}^2, \text{ psi}$	$=0.068046 \text{ atmosphere, atm}$
	$1 \text{ lb -force/in}^2, \text{ psi}$	$=27.673 \text{ in H}_2\text{O @ } 4^\circ \text{ c}$
	1 KPa	$=7.500615 \text{ mmHg @ } 0^\circ \text{ c}$
	1 KPa	$=0.009869 \text{ atmosphere, atm}$
	1 KPa	$=0.010197 \text{ Kg/cm}^2$
	1 KPa	$=0.01 \text{ bar}$
	1 KPa	$=7.500638 \text{ torr}$
	VELOCITY & FLOW	1 ft/s
1 mile/hour, mph		$=1.6093 \text{ Km/h}$
$1 \text{ ft}^3/\text{min}$		$=0.47195 \text{ L/s}$
1 US gal/min		$=0.06309 \text{ L/s}$
ENERGY & WORK	1 KJ	$=0.239006 \text{ Kcal}$
	1 BTU	$=0.252164 \text{ Kcal}$
	1 hp.h	$=641.6157 \text{ Kcal}$
	1 KW.h	$=860.4207 \text{ Kcal}$
	1 Kcal	$=3.965666 \text{ BTU}$
	1 KJ	$=0.947817 \text{ BTU}$
POWER	1 W	$=0.001341 \text{ hp}$
	1 BTU/S	$=1.414853 \text{ hp}$
	1 Kcal/S	$=5.610836 \text{ hp}$
VISCOSITY	KINEMATIC VISCOSITY, cSt (mm²/S)	=DYNAMIC VISCOSITY, cP(mPa.S) / DENSITY (AT SAME TEMP., Kg/L)
TEMPERATURE	$^\circ\text{C}$	$= (^\circ\text{F} - 32) \times 5/9$
	$^\circ\text{F}$	$= (^\circ\text{C} \times 9/5) + 32$
ADDITIVE BLENDING	%VOLUME OF ADDITIVE	=%WEIGHT OF ADDITIVE x DENSITY OF FINISHED OIL /DENSITY OF ADDITIVE (TYPICAL FINISHED OIL DENSITY = 0.88 gr/mL)