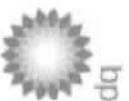


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## Conversion Factors



To Convert		tonnes (metric)	kilolitres	barrels	US gallons	tonnes/ year
<b>Crude Oil*</b>						
<b>From</b>			<b>Multiply by</b>			
Tonnes (metric)	1	1.165	7.33	307.86	-	
Kilolitres	0.8581	1	6.2898	264.17	-	
Barrels	0.1364	0.159	1	42	-	
US Gallons	0.00325	0.0038	0.0238	1	-	
Barrels/day						49.8

\*Based on worldwide average gravity

From	Products	barrels to tonnes	tonnes to barrels	kilolitres to tonnes	tonnes to kilolitres
LPG		0.086	11.6	0.542	1.844
Gasoline		0.118	8.5	0.740	1.351
Kerosene		0.128	7.8	0.806	1.240
Gas oil / diesel		0.133	7.5	0.839	1.192
Fuel oil		0.149	6.7	0.939	1.065

## To Convert

Natural Gas & LNG	billion cubic metres NG	billion cubic feet NG	million tonnes oil equivalent	million tonnes LNG	million British thermal units	million barrels oil equivalent
<b>From</b>				<b>Multiply by</b>		
1 billion cubic metres NG	1	35.3	0.90	0.73	36	6.29
1 billion cubic feet NG	0.028	1	0.026	0.021	1.03	0.18
1 million tonnes oil equivalent	1.111	39.2	1	0.805	40.4	7.33
1 million tonnes LNG	1.38	48.7	1.23	1	52.0	8.68
1 trillion British thermal units	0.028	0.98	0.025	0.02	1	0.17
1 million barrels oil equivalent	0.16	5.61	0.14	0.12	5.8	1

## Units of Measure

- 1 metric tonne = 2204.62 lb.
- = 1.1023 short tons
- 1 kilolitre = 6.2898 barrels
- 1 kilolitre = 1 cubic metre
- 1 kilocalorie (kcal) = 4.187 kJ = 3.968 Btu
- 1 kilojoule (kJ) = 0.239 kcal = 0.948 Btu
- 1 British thermal unit (Btu) = 0.252 kcal = 1.055 kJ
- 1 kilowatt-hour (kWh) = 860 kcal = 3600 kJ = 34.12 Btu

[www.bp.com/contentconversionfactors.jsp](http://www.bp.com/contentconversionfactors.jsp)

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