Lambda coefficient and mixture characteristics

$$\lambda = \frac{\text{Real weight to air consumed per Kg of gasolina}}{\text{Theoretical weight of air that should be consumed per Kg of gasoline}} = \frac{X}{14,7}$$

Cases according to actual mixture (x)			
X	**Air**	**Mixture**	**λ**
< 14,7	Defect	Rich	< 1
= 14,7	Equilibrium	Stoichiometric	= 1
> 14,7	Excess	Poor	> 1

Mixture	%	Consequences
Rich	< 0,75	The engine is flooded and the mixture does not light so the engine stops working
	0,75 ÷ 0,85	Mixture too rich for instantaneous use, provide power increase
	0,85 ÷ 0,95	Maximum power at continuous rate (slope, passing, etc.)
Normal	0,95 ÷ 1,05	Normal driving (Cruise rate)
Poor	1,05 ÷ 1,15	Minimum consumption with slight loss of power
	1,15 ÷ 1,30	Considerable loss of power with an increase in consumption but lower output
	> 1,30	The engine does not work, the flame is not being propagated