Oil tightness

Components are considered oil-tight if, depending on the application, no oil ingress or egress can be detected within a defined period.

In industrial leak testing, the tightness against various media is tested with air or other gases for practical reasons.

The following guideline values apply:

Characteristic	***Air leakage***		***Note***
	from	*to*	
Water Tightness	0.5 cm^3/min	12 cm^3/min	
Oil tightness	0.6 cm^3/min	4.5 cm^3/min	
Fuel tightness	0.1 cm^3/min	3 cm^3/min	Values for liquid fuel
	0.0006 cm^3/min		Current value for USA export

Note:
The extremely low value for petrol tightness results from the requirement for fuel systems to be tight against vapours. The higher value represents the liquid tightness against petrol.