

CLASS	SOLID PARTICLES			HUMIDITY AND LIQUID WATER		OIL	
	Maximum number of particles per cubic meter as a function of particle size, d ⁽²⁾			Pressure dew point		Concentration of total oil ⁽²⁾ (liquid, aerosol and vapour)	
	0,1 µm < d ≤ 0,5 µm	0,5 µm < d ≤ 1,0 µm	1,0 µm < d ≤ 5,0 µm	°C	°F	mg/m3	ppm/w/w
0	As specified by the equipment user or supplier and more stringent than class 1						
1	≤ 20.000	≤ 400	≤ 10	≤ -70	-94	≤ 0,01	≤ 0,008
2	≤ 400.000	≤ 6.000	≤ 100	≤ -40	-40	≤ 0,1	≤ 0,08
3	Not specified	≤ 90.000	≤ 1.000	≤ -20	-4	≤ 1	≤ 0,8
4	Not specified	Not specified	≤ 10.000	≤ +3	38	≤ 5	≤ 4
5	Not specified	Not specified	≤ 100.000	≤ +7	45	Not specified	Not specified
6				≤ ±10	50		
	Mass concentration ⁽²⁾ -C _p			LIQUID WATER CONTENT ⁽²⁾ - C _w			
	mg/m ³			g/m ³			
6	0 < C _p ≤ 5					Not specified	Not specified
7	5 < C _p ≤ 10			C _w ≤ 0,5		Not specified	Not specified
8	Not specified			0,5 ≤ C _w ≤ 5		Not specified	Not specified
9	Not specified					Not specified	Not specified
X	C _p > 10					> 5	> 4

⁽¹⁾ To qualify for a class designation, each size range and particle number within a class shall be met.

⁽²⁾ At reference conditions: air temperature of 20° C, absolute air pressure of 100 kPa (1 bar), 0 relative water vapour pressure.