

Exhaust values at the tailpipe

Exhaust gas values at the tailpipe measured on the test bench for the 912S and 914

.... At some point during test runs, I put the exhaust probe into the tailpipe of various engines and wrote down the values.

The values determined can perhaps serve as a reference point to determine rough deviations on the plane.

I determined the values during the prescribed test runs after a major overhaul.

This means virtually in the new end of the engines with optimally adjusted carburetors.

Please note that I do not know how the values deviate with an installed engine.

The tables are for orientation purposes only.

Unfortunately, only values for the 912S (100 hp) and the 914 Turbo are available.

The values for the 912S

1/min	CO	HC	oil temperature
1700	3,1	85	86
3000	11,25	300	123
3500	7,9	190	126
4000	6,5	170	129
4500	5,4	160	131
5000	4,5	140	131
5500	6,4	145	131
5500	6,5	145	131
5500	6,4	125	131
5800	6,2	135	137

The values for the 914 Turbo

1/min	CO	HC	oil temperature
1700	1,9	100	
1700	1,6	115	100
3000	7,1	160	
3000	9,8	210	105
4000	3,4	130	
4000	4,6	140	120
5000	5,2	130	
5000	6,0	140	125
5500 102%	4,6	110	
5500 102%	5,3	115	130
5800 115%	8,5	110	

1/min	CO	HC	oil temperature
5800	115%	8,7	115

With the oil temperatures missing here, unfortunately I can no longer understand how high they were approximately.

Definitely over 50°C, otherwise I would not have determined the values above the idle speed.

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