

## N. Exhaust-Gas Test Values

(applicable only to "Sun" Exhaust-Gas Tester)

The percentage values given refer to the degree of combustion of the fuel-air mixture. At idle speeds the values are on the rich side, whereas as a rule the mixture is leaner when the engine speed increases (see Table). When the prescribed values are obtained, the composition of the fuel-air mixture and consequently the adjustment of the carburetor or injection system is satisfactory.

When the exhaust-gas test is made, both the cooling water and the oil temperature should be appr. 80°C.

Model	Exhaust-gas test values (percentage) at engine speed rpm (no load)			
	800	1500	3000	4500
180 a	77—79	77—83	83—87	87—91
180 b	77—79	77—82	80—86	83—89
190 <sup>1)</sup>	77—79	80—84	85—89	85—89
190 b	77—79	77—82	80—86	83—89
190 SL <sup>2)</sup>	75—77	80—84	78—82	85—89
220 a 219	77—79	79—83	75—79	80—84
220 S	77—79	82—86	86—90	88—92
220 SE <sup>3)</sup>				
220 SE Convertible and Coupé 1st version <sup>3) 4)</sup>	79—81	78—82	—	—

<sup>1)</sup> For model 190 with the 1st version distributor (Bosch designation VJUR 4 BR 14) the exhaust-gas test value is 70—74% at 1500 rpm.

<sup>2)</sup> For Model 190 SL with the 1<sup>st</sup> and 2<sup>nd</sup> version distributors (Bosch designation VJUR 4 BR 11 or VJ 4 BR 12) the exhaust-gas test value is 79—81% at an idle speed of 1200—1300 rpm.

<sup>3)</sup> For the adjustment of the 220 SE engines the exhaust-gas test values at 3000 rpm and 4500 rpm are not required.

<sup>4)</sup> Model 220 SE Convertible and Coupé 1st version: Engine type 127.980 (output 115 HP).