

②

Test Specifications Fuel Injection Pumps ② and Governors

40

WPP 001/4 MAN 11,1 1 3
2. Edition

En

Testoil-ISO 4113

PES 6 P 110 A 720 LS 360 RQ 300/1100 PA 376 DR
Komb.-Nr. 0 402 046 165
6 - 2 - 4 - 1 - 5 - 3
0 -60 -120-180-240-300° ±0,5° (±0,75°)

supersedes 8.81
company: MAN
engine: D 2566 MTUM
(206 kW) 280 PS - Nr. 7909

All test specifications are valid for Bosch Fuel Injection Pump Test Benches and Testers

A. Fuel Injection Pump Settings

Port closing at prestroke $\overset{3,00-3,10}{(2,95-3,15)}$ mm (from BDC) **Zyl.6; RW=9,0 - 12,0 mm**

Rotational speed rev/min	Control rod travel mm	Fuel delivery cm ³ /100 strokes	Difference cm ³ /100 strokes	Control rod travel mm	Fuel delivery cm ³ /100 strokes	Spring pre-tensioning (torque-control valve) mm
1	2	3	4	2	3	6
1100	13,3-13,4	16,1 - 16,3	0,4(0,8)			
300	7,4-7,6	0,9 - 1,5	0,4(0,7)			

Adjust the fuel delivery from each outlet according to the values in

B. Governor Settings

Checking of slider PRG check ①		Full-load speed regulation Setting point ①				Idle speed regulation Setting point ④				Torque control ③	
rev/min	Control rod travel mm	rev/min	Control rod travel mm	Control rod travel mm	rev/min	rev/min	Control rod travel mm	Control rod travel mm	rev/min	Control rod travel mm	
1	2	3	4	5	6	7	8	9	10	11	12
600	19,2-20,8	600	20,0	12,3	1145-1160	300	7,6	100	min.7,5	1100	13,3-13,4
VH = max. 46°				4,0	1215-1245			300	5,9-6,1	700	13,9-14,0
				1350	0 - 1,0			360-400 = 2,0		910	13,5-13,7

Torque-control travel on flyweight assembly dimension a = 0,4 mm Speed regulation: At 1145-1160 min⁻¹ 1 mm less control rod travel

C. Settings for Fuel Injection Pump with Fitted Governor

Full-load delivery on governor control lever Test oil temp. 40°C (104°F) ②		Control rod stop ③a	Fuel delivery characteristics ③b		Starting fuel delivery Idle speed ⑥	
rev/min	cm ³ /1000 strokes	rev/min	rev/min	cm ³ /1000 strokes	rev/min	Control rod travel cm ³ /1000 strokes/mm
1	2	3	4	5	6	7
LDA 1100	0,7 bar 161,0 - 163,0 (158,0 - 166,0)		LDA 500	0,2 bar 124,0 - 128,0 (121,0 - 131,0)	100	215,0 - 235,0
LDA 700	0,7 bar 171,0 - 175,0 (168,0 - 178,0)		LDA 500	0 bar 117,0 - 119,0 (114,0 - 122,0)	100-170	(80-190)

Checking values in brackets

7.83

BOSCH

Geschäftsbereich KH, Kundendienst, Kfz-Ausrüstung
© 1980 by Robert Bosch GmbH, Postfach 50, D-7000 Stuttgart 1 Printed in the Federal Republic of Germany
imprimé en République Fédérale d'Allemagne par Robert Bosch GmbH.