

BOSCH-INJ.-PUMP TEST SPECIFICATIONS

Note inst. in remarks column

Test sheet : OPE
 Edition : 11.06.92
 replaces : 14.07.88
 Calibrating oil : ISO-4113
 Injection pump : VE4/9F2200L243-5
 Type number : 0 460 494 232
 Customer Part-No. :

Customer-specific information
 Customer : OPEL

Engine : 2,3+ ; OMEGA M. EGR

TEST BENCH REQUIREMENTS

Overflow restricti: 1 463 456 303

Calibrating-oil
 return temp. °C
 with thermometer : 40...48
 Electronically : 42...50

Inlet press., bar : 0.30...0.40

Calibrating nozzle-holder
 assembly : 1 688 901 000

Opening
 Pressure bar: 147.00...150.00

Test inj. tubing : 1 680 750 017

Outside diameter : 6.00
 x Wall thickness : 2.00
 x Length mm: 840

Start of delivery

Indicator setting
 Piston stroke mm: 1.0
 Outlet : D

Injection-pump setting values
 Test specifications in parentheses

Timing-device travel

Speed 1/min: 1200
 Setting value mm: 4.30...4.70
 AFB/AFB
 valve Volt: 12

K14

Shutoff
 electromagnet Volt: 12

Supply-pump pressure

Speed 1/min: 1200
 Setting value bar: 4.00...4.60
 KSB/AFB
 valve Volt: 12
 Shutoff
 electromagnet Volt: 12

Full-load del. with charge press.:

Speed 1/min: 1200
 Del. quantity cm3/
 1000S.: 43.00...44.00

KSB/AFB
 valve Volt: 12
 Shutoff

electromagnet Volt: 12
 Dispersion cm3/
 1000S.: (3.0)

Low-idle speed regulation

Speed 1/min: 270
 Del. quantity cm3/
 1000S.: 10.00...14.00

KSB/AFB
 valve Volt: 12
 Shutoff

electromagnet Volt: 12
 Del. quantity cm3/
 1000S.: (3.0)

Full-load speed regulation

Speed 1/min: 2450
 Del. quantity cm3/
 1000S.: 21.00...27.00

KSB/AFB
 valve Volt: 12
 Shutoff

electromagnet Volt: 12

Start:

Speed 1/min: 100
 Del. quantity cm3/
 mind 1000S.: 52.00

KSB/AFB
 Valve Volt: 12
 Shutoff

electromagnet Volt: 12

Load-dependent start of delivery:
 Inj.-qty.dif.measurement:

Speed 1/min: 1200