



OECD approval number

OECD approval date

Make

Model

Type

2/2 509

07/09/2009

Case IH

Farmall 90

4 WD

JPAS4A - JX90 - 12 speeds - 30 km/h

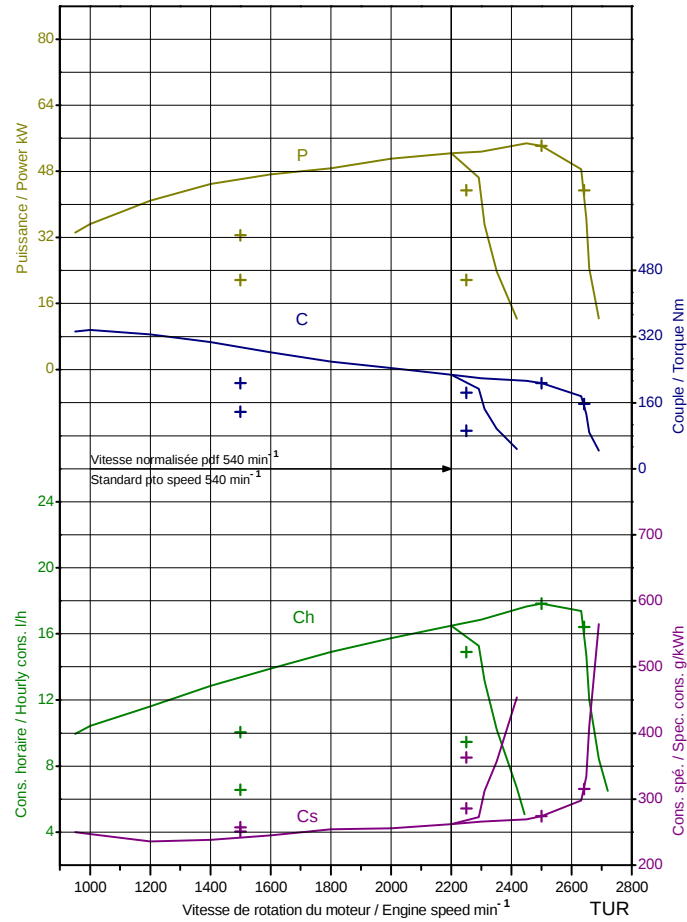
Manufacturer: Türk Traktör ve Ziraat Makinaları A.Ş.

Testing station: TAMTEST, Ankara, Turkey

Case IH Farmall 90

4 RM/WD

OCDE/OECD 2/2509



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Iveco, FPT	445TA/MNF
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4485 cm ³	Liquid
<i>Gear box</i>		Mechanical synchronized
<i>Number of forward and reverse speeds</i>		12 12
<i>Speed at rated engine speed</i>		from 1.72 to 28.46 km/h
<u>Standard Power take-off speed</u>		<u>540 min⁻¹</u> <u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>		614 min ⁻¹ 1050 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	54.8 kW	2450 min ⁻¹	601 min ⁻¹
<i>Hourly and specific consumption</i>		17.67 l/h	269 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	54.2 kW	2500 min ⁻¹	614 min ⁻¹
<i>Hourly and specific consumption</i>		17.84 l/h	274 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	52.4 kW	2200 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		16.49 l/h	262 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		336.2 Nm	1000 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	320/85 R 24	18.4 R 30
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3550 kg	
<i>Maximum drawbar pull</i>	32.3 kN	Not
<i>at speed of</i>	5.39 km/h	required
<i>Maximum power</i>	49.7 kW	
<i>at speed of</i>	7.76 km/h	

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Opened centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	50.1 l/min	13.0 MPa	10.9 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	50.1 l/min	13.0 MPa	10.9 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		19.2 kN	14.2 kN

