



OECD approval number

2/2 420

OECD approval date

04/07/2008

Make

Massey Ferguson

Model

7490

Type

4 WD

Y35923GH213A - 40 km/h

Manufacturer

AGCO S.A.

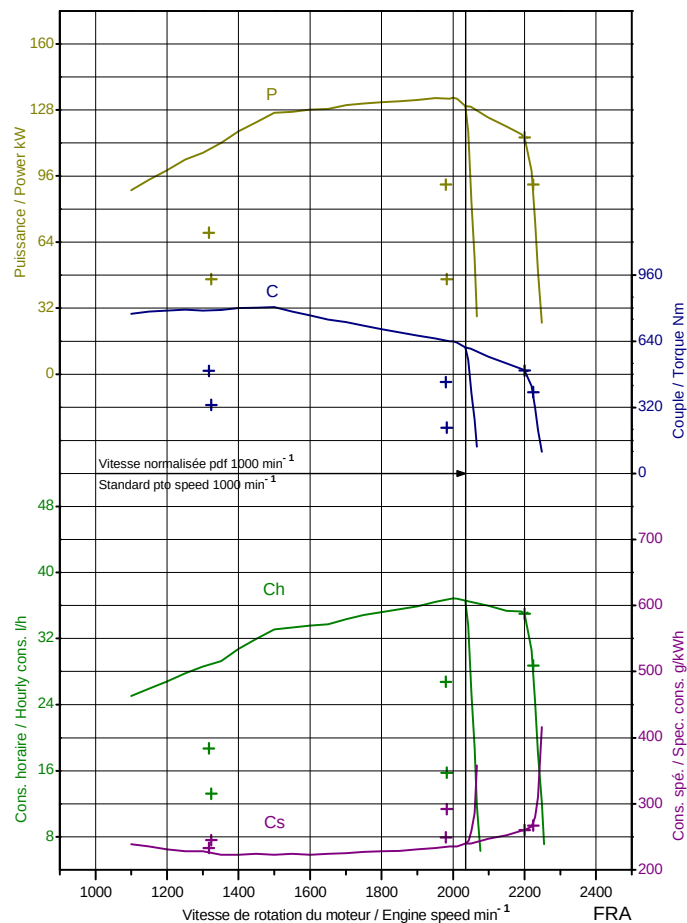
Testing station:

Cemagref, Antony, France

Massey Ferguson 7490

4 RM/WD

OCDE/OECD 2/2420



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Sisu Diesel	66.402 CTA - 4V
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6596 cm ³	Liquid
<i>Gear box</i>		Hydrostatic and mechanical
<i>Number of forward and reverse speeds</i>		Not significant
<i>Speed at rated engine speed</i>		from 0.00 to 40.00 km/h
<i>Standard Power take-off speed</i>		540 min^{-1} 1000 min^{-1}
<i>Power take-off speed at rated engine speed</i>		594 min^{-1} 1081 min^{-1}
<i>Diameter of the shaft</i>	34.9 mm	34.9 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>	134.0 kW	2000 min^{-1}	983 min^{-1}
<i>Hourly and specific consumption</i>		36.84 l/h	235 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	114.7 kW	2200 min^{-1}	1081 min^{-1}
<i>Hourly and specific consumption</i>		35.00 l/h	260 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	130.0 kW	2034 min^{-1}	1000 min^{-1}
<i>Hourly and specific consumption</i>		36.61 l/h	240 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	806.3 Nm	1500 min^{-1}	61.9 %
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Drawbar Test

<i>Front tyres, Rear tyres</i>	16.9 R 30	520/85 R 42
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	7530 kg	9415 kg
<i>Maximum drawbar pull</i>	65.4 kN	86.7 kN
<i>at speed of</i>	2.20 km/h	2.45 km/h
<i>Maximum power</i>	107.5 kW	107.5 kW
<i>at speed of</i>	9.86 km/h	6.96 km/h

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>	Closed centre		
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At maximum hydraulic power

<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	105.0 l/min	13.6 MPa	23.8 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	111.0 l/min	15.6 MPa	28.9 kW

Maximum lifting force

<i>at the hitch points, at frame</i>	67.4 kN	61.9 kN
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