



OECD approval number

2/2 197

OECD approval date

Restricted Code

01/12/2004

Make

Massey Ferguson

Model

7490

Type

4 WD

Y35 - DynaVT - 40 km/h

Manufacturer

AGCO S.A.

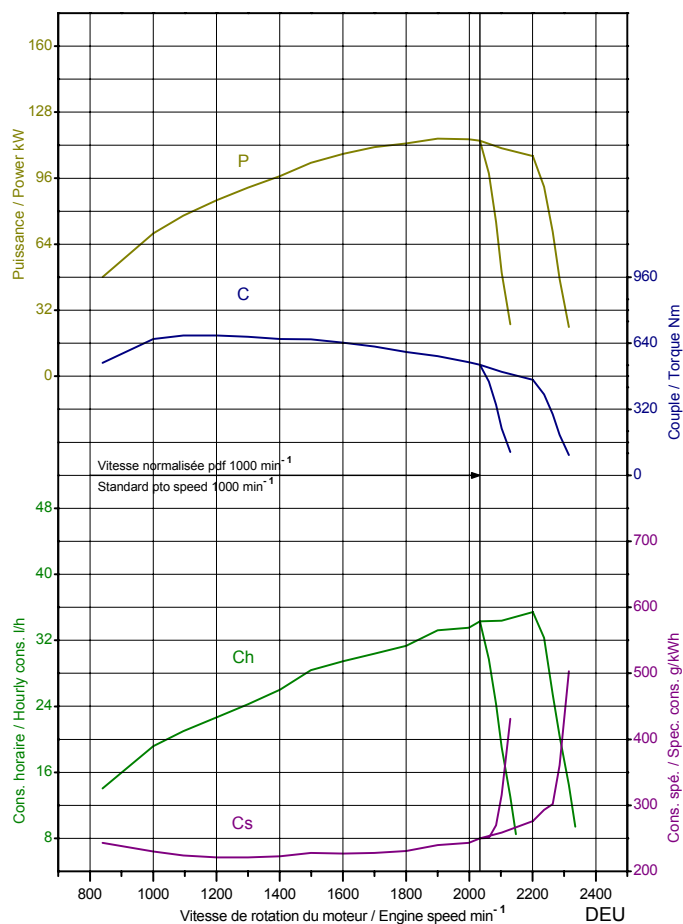
Testing station:

DLG, Gross-Umstadt, Germany

Massey Ferguson 7490

4 RM/WD

OCDE/OECD 2/2197



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Sisu Diesel	66.253	ETA
<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
<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>		576 min ⁻¹	1083 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>	115.1 kW	1900 min ⁻¹	934 min ⁻¹
<i>Hourly and specific consumption</i>		33.23 l/h	240 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	106.8 kW	2201 min ⁻¹	1082 min ⁻¹
<i>Hourly and specific consumption</i>		35.44 l/h	276 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	114.2 kW	2034 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		34.31 l/h	250 g/kWh

Torque rise

		46.7 %	
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<u>Maximum torque, Engine speed corresponding</u>		679.0 Nm	1096 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	540/65 R 30	520/85 R 42
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	6870 kg	
<i>Maximum drawbar pull</i>	64.8 kN	Not
<i>at speed of</i>	4.71 km/h	required
<i>Maximum power</i>	92.3 kW	in
<i>at speed of</i>	7.82 km/h	Code 2

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power</i>	98.4 l/min	17.0 MPa	27.9 kW
<u>Maximum lifting force</u>			
<i>at hitch points, at frame</i>		57.2 kN	50.0 kN

