



OECD approval number

2/1 940

Restricted Code

OECD approval date

10/11/2000

Make

Massey Ferguson

Model

290

Type

4 WD

Manufacturer

Agco Limited

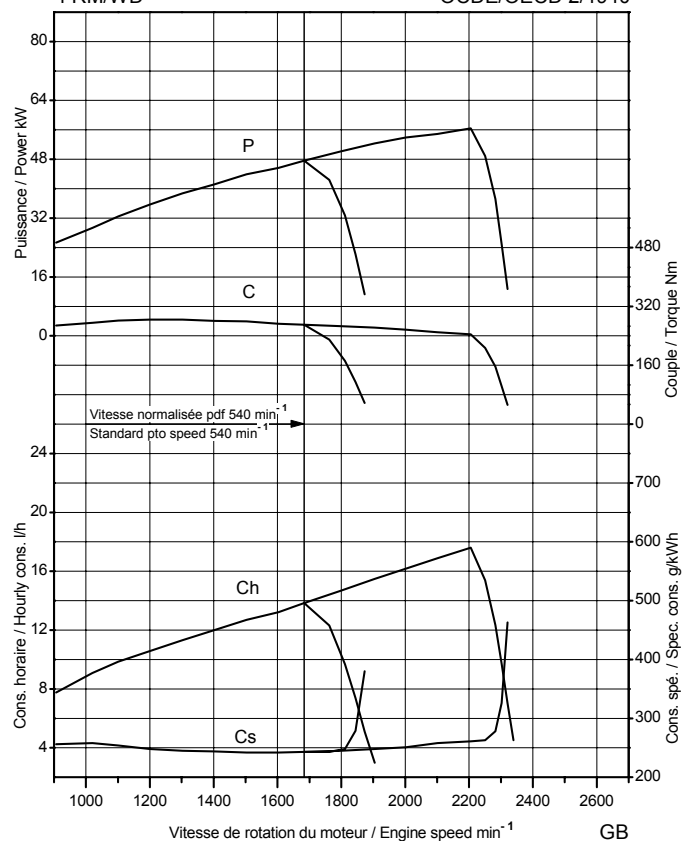
Testing station:

SRI, Silsoe, United Kingdom

Massey Ferguson 290

4 RM/WD

OCDE/OECD 2/1940



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Perkins	4.41
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4070 cm ³	By water
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	8	2
<i>Speed at rated engine speed</i>	from 3.04	to 33.38 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>	706 min ⁻¹	None
<i>Diameter of the shaft</i>	34.9 mm	
<i>Number of splines</i>	6	

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	56.4 kW	2205 min ⁻¹	707 min ⁻¹
<i>Hourly and specific consumption</i>		17.61 l/h	261 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	56.4 kW	2205 min ⁻¹	707 min ⁻¹
<i>Hourly and specific consumption</i>		17.61 l/h	261 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	47.6 kW	1684 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		13.84 l/h	243 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		284.2 Nm	1200 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	14.9 - 24	18.4 - 34
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	2985 kg	
<i>Maximum drawbar pull</i>	32.2 kN	Not
<i>at speed of</i>	2.77 km/h	required
<i>Maximum power</i>	48.8 kW	in
<i>at speed of</i>	7.87 km/h	Code 2

Power Lift and Hydraulic Performance Test

<i>Hydraulic system</i>		Closed centre
<i>Maximum lifting force at hitch points, at frame</i>	21.4 kN	18.1 kN
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power</i>	18.4 l/min	19.5 MPa 6.0 kW