| | |
|---|---|
| **OECD approval number** | **2/2 825** |
| **OECD approval date** | **07/04/2014** |
| **Make** | **Massey Ferguson** |
| **Model** | **5612** |
| **Type** | **4WD** |
| | Mechanical synchromesh - 40 km/h |
| *Manufacturer:* | AGCO S.A |
| *Testing station:* | IRSTEA - France |

Massey Ferguson 5612
4WD
OCDE/OECD 2/2 825
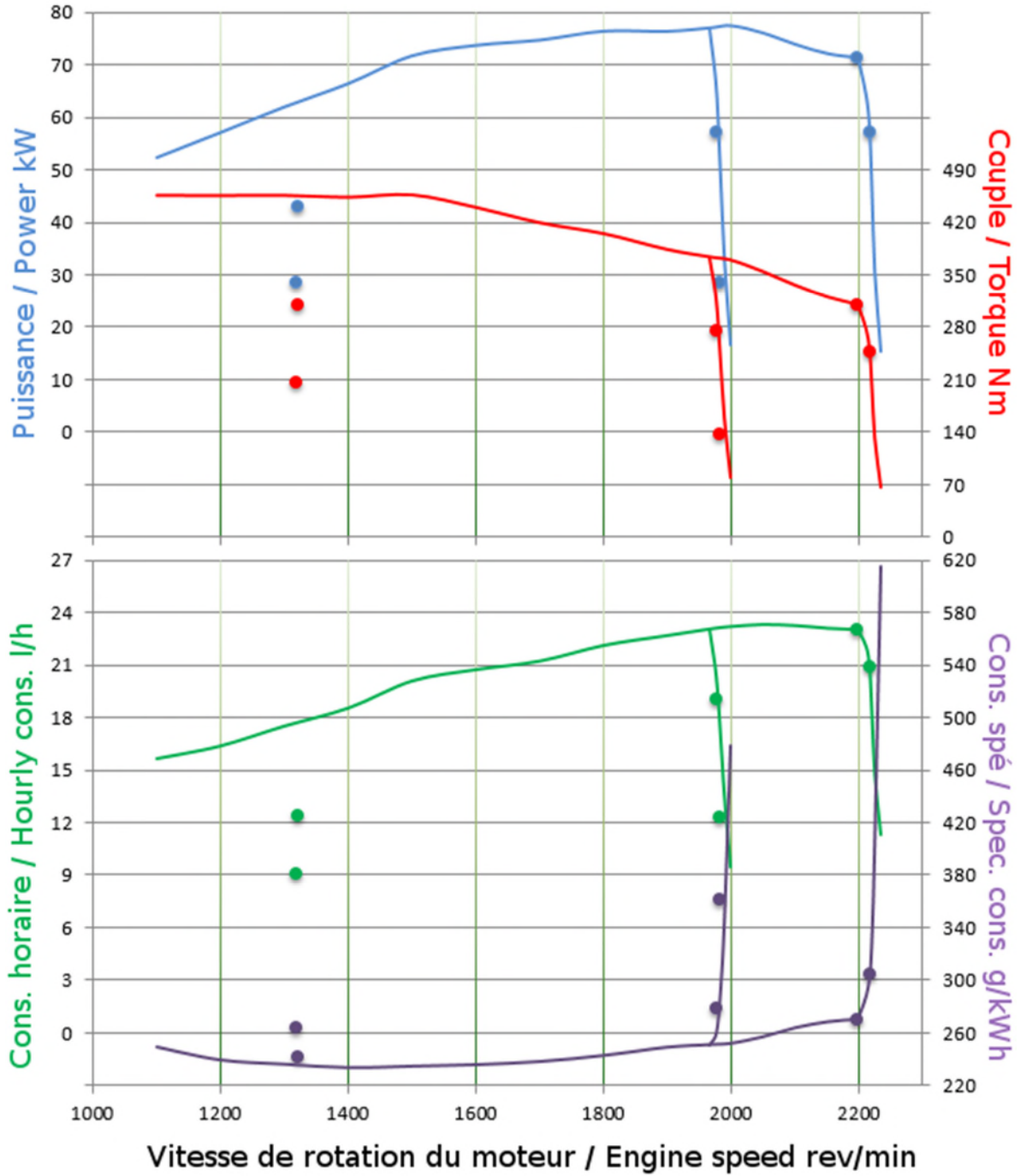
**Engine, Transmission, Power take-off Specifications**

| | | |
|---|---|---|
| *Make, Model* | AGCO POWER | 44 AWIC 905 |
| *Type, Supercharging* | Direct injection | Yes |
| *Cylinders, Disposition* | 4 | vertical in line |
| *Capacity, Cooling* | 4397 cm$^3$ | Liquid |
| *Gear box* | | Mechanical synchromesh |
| *Number of forward and reverse speeds* | 16 | 16 |
| *Speed at rated engine speed* | from 2,13 | to 43,62 km/h |
| Standard Power take-off speed | 540 min$^{-1}$ | 1000 min$^{-1}$ |
| *Power take-off speed at rated engine speed* | 618 min$^{-1}$ | 1122 min$^{-1}$ |
| *Diameter of the shaft* | 34,9 mm | 34,9 mm |
| *Number of splines* | 6 | 21 |

**Power take-off Test**

One hour test at maximum power

| | | | |
|---|---|---|---|
| *Power, Engine and Power take-off speed* | 77,3 kW | 1999 min$^{-1}$ | 1017 min$^{-1}$ |
| *Hourly and specific consumption* | | 23,19 l/h | 252 g/kWh |

Test at maximum power at rated engine speed

| | | | |
|---|---|---|---|
| *Power, Engine and Power take-off speed* | 71,3 kW | 2198 min$^{-1}$ | 1118 min$^{-1}$ |
| *Hourly and specific consumption* | | 23,01 l/h | 270 g/kWh |

Test at standard Power take-off speed

| | | | |
|---|---|---|---|
| *Power, Engine and Power take-off speed* | 76,9 kW | 1966 min$^{-1}$ | 1000 min$^{-1}$ |
| *Hourly and specific consumption* | | 23,04 l/h | 251 g/kWh |
| Torque rise | | | 47,2 % |
| Maximum torque, Engine speed corresponding | | 456,1 Nm | 1500 min$^{-1}$ |

**Drawbar Test**

| | | |
|---|---|---|
| *Front tyres, Rear tyres* | 380/70 R28 | 520/70 R38 |
| Test with tractor | unballasted | ballasted |
| *Total Mass* | 5020 kg | |
| *Maximum drawbar pull* | 45,6 kN | |
| *at speed of* | 3,52 km/h | *Not* |
| *Maximum power* | 65,6 kW | *Applicable* |
| *at speed of* | 9,21 km/h | |

**Hydraulic Performance and Power Lift Test**

| | | | |
|---|---|---|---|
| *Hydraulic system* | | | Open centre |
| At maximum hydraulic power | | | |
| *Flow rate, Pressure, Power (couplers: 1 pair)* | 94,8 l/min | 13,1 MPa | 20,8 kW |
| *Flow rate, Pressure, Power (couplers: 2 pairs or +)* | 100,5 l/min | 14,8 MPa | 24,8 kW |
| Maximum lifting force | | | |
| *at the hitch points, at frame* | | 45,6 kN | 42,0 kN |