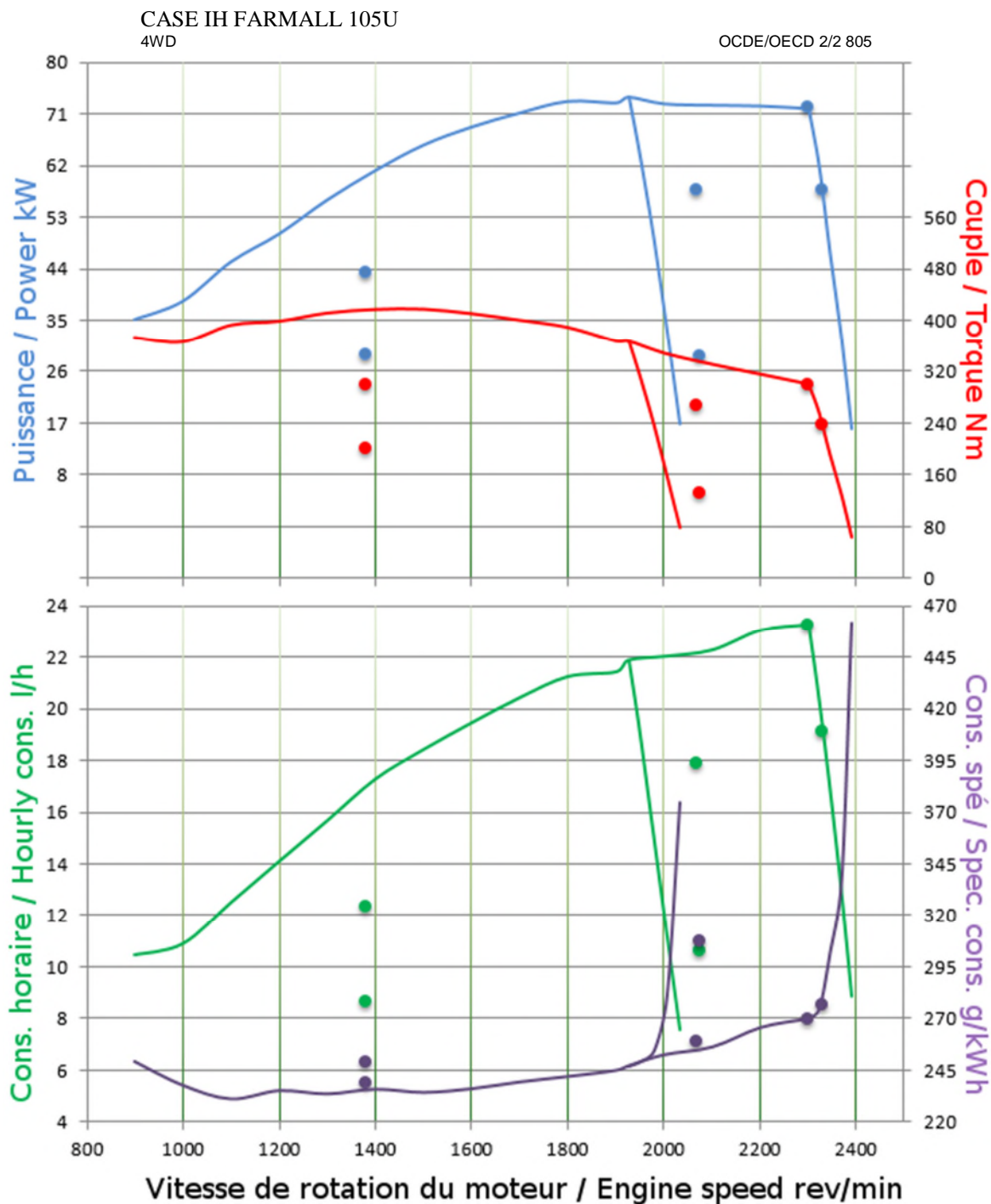




**OECD approval number**  
**OECD approval date**  
**Make**  
**Model**  
**Type**

**2/2 805**  
**05/02/2014**  
**CASE IH**  
**FARMALL 105U**  
**4WD**  
 Mechanical - 40 km/h  
 CNH Europe Holding S.A.  
 IMAMOTER – Torino, Italy

*Manufacturer:*  
*Testing station:*



## Engine, Transmission, Power take-off Specifications

|   |                       |                        |
|---|-----------------------|------------------------|
| <i>Make, Model</i>                                | FTP Industrial        | F5DFL413J              |
| <i>Type, Supercharging</i>                        | Direct injection      | Yes                    |
| <i>Cylinders, Disposition</i>                     | 4                     | vertical in line       |
| <i>Capacity, Cooling</i>                          | 3387 cm <sup>3</sup>  | Liquid                 |
| <i>Gear box</i>                                   |                       | Mechanical             |
| <i>Number of forward and reverse speeds</i>       |                       | 12                     |
| <i>Speed at rated engine speed</i>                | from 2.22             | to 39.5 km/h           |
| <u>Standard Power take-off speed</u>              | 540 min <sup>-1</sup> | 1000 min <sup>-1</sup> |
| <i>Power take-off speed at rated engine speed</i> | 639 min <sup>-1</sup> | 1194 min <sup>-1</sup> |
| <i>Diameter of the shaft</i>                      | 35 mm                 | 35 mm                  |
| <i>Number of splines</i>                          | 6                     | 21                     |

## Power take-off Test

### One hour test at maximum power

|   |         |                        |                        |
|---|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 74.0 kW | 1926 min <sup>-1</sup> | 1000 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 21.87 l/h              | 247 g/kWh              |

### Test at maximum power at rated engine speed

|   |         |                        |                        |
|---|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 72.0 kW | 2300 min <sup>-1</sup> | 1194 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 23.26 l/h              | 270 g/kWh              |

### Test at standard Power take-off speed

|   |         |                        |                        |
|---|---------|------------------------|------------------------|
| <i>Power, Engine and Power take-off speed</i> | 74.0 kW | 1926 min <sup>-1</sup> | 1000 min <sup>-1</sup> |
| <i>Hourly and specific consumption</i>        |         | 21.87 l/h              | 247 g/kWh              |

### Torque rise

|   |  |          |                        |
|---|--|----------|------------------------|
| <u>Maximum torque, Engine speed corresponding</u> |  | 418.0 Nm | 1500 min <sup>-1</sup> |
|---|--|----------|------------------------|

## Drawbar Test

|                                |                    |                  |
|--------------------------------|--------------------|------------------|
| <i>Front tyres, Rear tyres</i> | 380/85 R 24        | 460/85 R 34      |
| <u>Test with tractor</u>       | <u>unballasted</u> | <u>ballasted</u> |
| <i>Total Mass</i>              | 4220 kg            | 5020 kg          |
| <i>Maximum drawbar pull</i>    | 37.2 kN            | 43.1 kN          |
| <i>at speed of</i>             | 2.04 km/h          | 2.03 km/h        |
| <i>Maximum power</i>           | 55.8 kW            | 56.6 kW          |
| <i>at speed of</i>             | 10.20 km/h         | 6.31 km/h        |

## Hydraulic Performance and Power Lift Test

|  |            |          |             |
|--|------------|----------|-------------|
| <i>Hydraulic system</i>                                    |            |          | Open centre |
| <u>At maximum hydraulic power</u>                          |            |          |             |
| <i>Flow rate, Pressure, Power (couplers: 1 pair)</i>       | 52.7 l/min | 17.0 MPa | 14.9 kW     |
| <i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i> | 47.4 l/min | 17.0 MPa | 13.4 kW     |
| <u>Maximum lifting force</u>                               |            |          |             |
| <i>at the hitch points, at frame</i>                       |            | 36.0 kN  | 29.0 kN     |