



OECD approval number
OECD approval date
Make
Model
Type

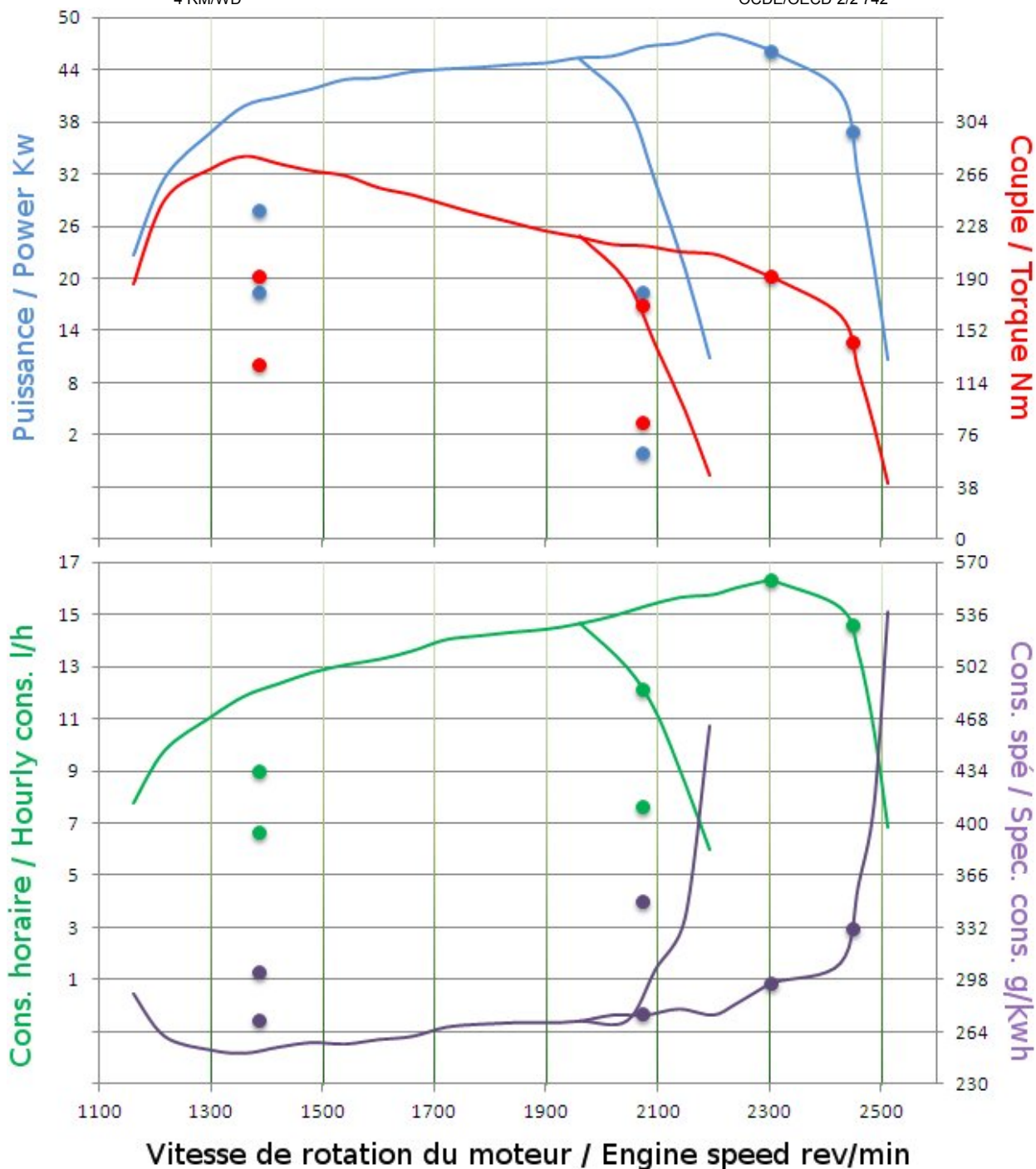
2/2 742
24/01/2013
CASE IH
FARMALL 75 C
4WD

Manufacturer:
Testing station:

Mechanical - 30 km/h
CNH Europe Holding S.A..
DISTAL - Department of Agricultural and
Food Sciences - University of Bologna

CASE IH FARMALL 75 C
4 RM/WD

OCDE/OECD 2/2 742



Engine, Transmission, Power take-off Specifications

| | | |
|---|-----------------------|------------------------|
| <i>Make, Model</i> | FPT Industrial | F5AE9454K |
| <i>Type, Supercharging</i> | Direct injection | Yes |
| <i>Cylinders, Disposition</i> | 4 | vertical in line |
| <i>Capacity, Cooling</i> | 3200 cm ³ | Liquid |
| <i>Gear box</i> | | Mechanical |
| <i>Number of forward and reverse speeds</i> | 8 | 8 |
| <i>Speed at rated engine speed</i> | from 2,54 | to 32,42 km/h |
| <u>Standard Power take-off speed</u> | 540 min ⁻¹ | 1000 min ⁻¹ |
| <i>Power take-off speed at rated engine speed</i> | 634 min ⁻¹ | |
| <i>Diameter of the shaft</i> | 35 mm | Not |
| <i>Number of splines</i> | 6 | Applicable |

Power take-off TestOne hour test at maximum power

| | | | |
|---|---------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 48,0 kW | 2200 min ⁻¹ | 607 min ⁻¹ |
| <i>Hourly and specific consumption</i> | | 15,75 l/h | 275 g/kWh |

Test at maximum power at rated engine speed

| | | | |
|---|---------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 46,2 kW | 2304 min ⁻¹ | 636 min ⁻¹ |
| <i>Hourly and specific consumption</i> | | 13,32 l/h | 296 g/kWh |

Test at standard Power take-off speed

| | | | |
|---|---------|------------------------|-----------------------|
| <i>Power, Engine and Power take-off speed</i> | 45,3 kW | 1960 min ⁻¹ | 541 min ⁻¹ |
| <i>Hourly and specific consumption</i> | | 14,64 l/h | 271 g/kWh |

Torque rise

| | | | |
|---|----------|------------------------|--------|
| <i>Maximum torque, Engine speed corresponding</i> | 279,4 Nm | 1360 min ⁻¹ | 45,9 % |
|---|----------|------------------------|--------|

Drawbar Test

| | | |
|--------------------------------|--------------------|------------------|
| <i>Front tyres, Rear tyres</i> | 280/85 R24 | 420/85 R30 |
| <u>Test with tractor</u> | <u>unballasted</u> | <u>ballasted</u> |
| <i>Total Mass</i> | 2805 kg | |
| <i>Maximum drawbar pull</i> | 23,12 kN | |
| <i>at speed of</i> | 3,55 km/h | Not |
| <i>Maximum power</i> | 37,69 kW | Applicable |
| <i>at speed of</i> | 9,97 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> | 45,4 l/min | 17,87 MPa | 13,52 kW |
| <i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i> | | | Not Applicable |
| <u>Maximum lifting force</u> | | | |
| <i>at the hitch points, at frame</i> | | 15,80 kN | 12,74 kN |