



OECD approval number

2/2 441

OECD approval date

07/10/2008

Make

New Holland

Model

T 6050 Plus

Type

4 WD

BDEC7B - 16 speeds - semi-powershift - 40 km/h

Manufacturer:

CNH Europe Holding S.A.

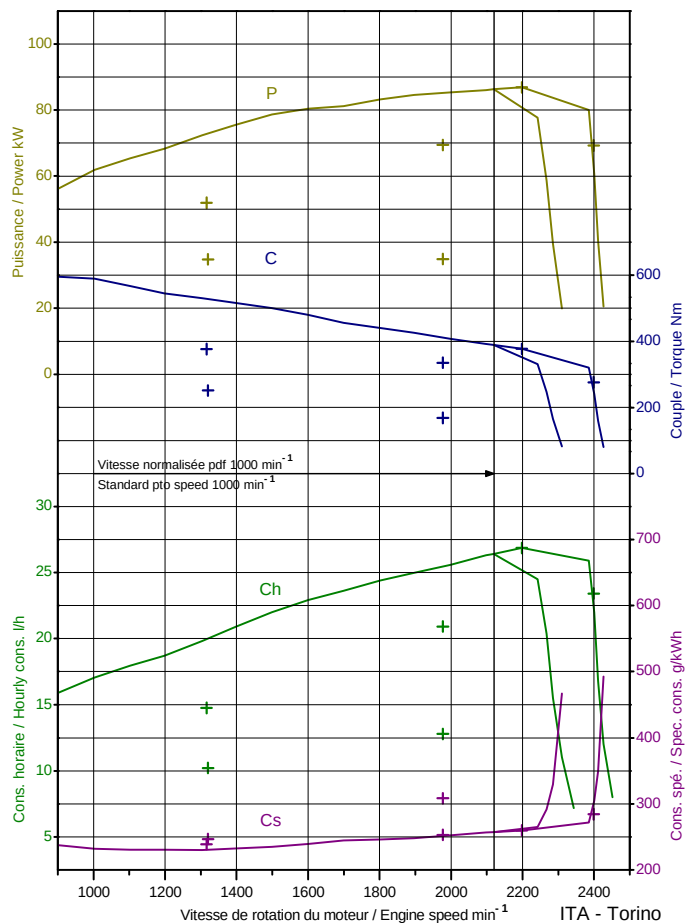
Testing station:

IMAMOTER, Torino, Italy

New Holland T 6050 Plus

4 RM/WD

OCDE/OECD 2/2441



Consiglio Nazionale delle Ricerche  
**IMAMOTER**  
 Istituto per le Macchine Agricole e Movimento Terra

**Engine, Transmission, Power take-off Specifications**

|                                            |                             |                              |
|--------------------------------------------|-----------------------------|------------------------------|
| Make, Model                                | CNH                         | 667TA/MEK                    |
| Type, Supercharging                        | Direct injection            | Yes                          |
| Cylinders, Disposition                     | 6                           | vertical in line             |
| Capacity, Cooling                          | 6728 cm <sup>3</sup>        | Liquid                       |
| Gear box                                   |                             | Mechanical powershift        |
| Number of forward and reverse speeds       | 16                          | 16                           |
| Speed at rated engine speed                | from 2.27                   | to 38.14 km/h                |
| <u>Standard Power take-off speed</u>       | <u>540 min<sup>-1</sup></u> | <u>1000 min<sup>-1</sup></u> |
| Power take-off speed at rated engine speed | 603 min <sup>-1</sup>       | 1038 min <sup>-1</sup>       |
| Diameter of the shaft                      | 35 mm                       | 35 mm                        |
| Number of splines                          | 6                           | 21                           |

**Power take-off Test**Two hours test at maximum power

|                                        |         |                        |                        |
|----------------------------------------|---------|------------------------|------------------------|
| Power, Engine and Power take-off speed | 86.9 kW | 2197 min <sup>-1</sup> | 1037 min <sup>-1</sup> |
| Hourly and specific consumption        |         | 26.87 l/h              | 260 g/kWh              |

Test at maximum power at rated engine speed

|                                        |         |                        |                        |
|----------------------------------------|---------|------------------------|------------------------|
| Power, Engine and Power take-off speed | 86.9 kW | 2197 min <sup>-1</sup> | 1037 min <sup>-1</sup> |
| Hourly and specific consumption        |         | 26.87 l/h              | 260 g/kWh              |

Test at standard Power take-off speed

|                                        |         |                        |                        |
|----------------------------------------|---------|------------------------|------------------------|
| Power, Engine and Power take-off speed | 86.3 kW | 2119 min <sup>-1</sup> | 1000 min <sup>-1</sup> |
| Hourly and specific consumption        |         | 26.42 l/h              | 257 g/kWh              |

Torque rise

|                                                   |          |                       |
|---------------------------------------------------|----------|-----------------------|
|                                                   |          | 57.9 %                |
| <u>Maximum torque, Engine speed corresponding</u> | 596.0 Nm | 903 min <sup>-1</sup> |

**Drawbar Test**

Front tyres, Rear tyres

480/65 R 28 600/65 R 38

Test with tractorunballasted ballasted

Total Mass

5215 kg

Maximum drawbar pull

50.1 kN

at speed of

2.16 km/h

Not  
required

Maximum power

78.5 kW

at speed of

8.96 km/h

**Hydraulic Performance and Power Lift Test**

Hydraulic system

Closed centre

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair) 98.7 l/min 17.0 MPa 28.0 kW

Flow rate, Pressure, Power (couplers: 2 pairs or +) 103.0 l/min 18.0 MPa 30.9 kW

Maximum lifting force

at the hitch points, at frame

34.3 kN 30.3 kN

