

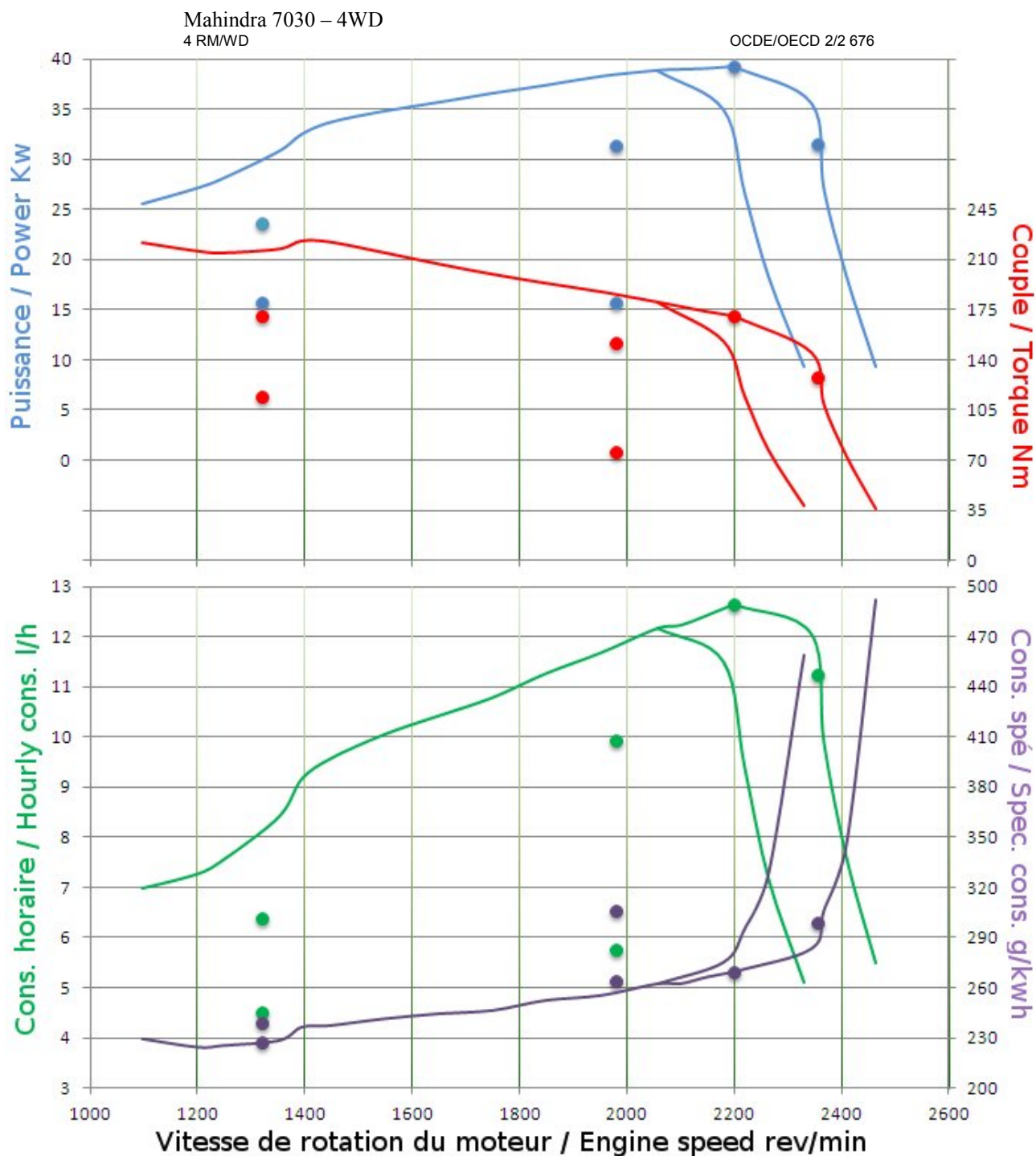


OECD approval number
OECD approval date
Make
Model
Type

2/2 676
09/02/2012
Mahindra
7030 – 4WD
4 WD

Manufacturer:
Testing station:

Mechanical - 30 km/h
Mahindra & Mahindra Limited
Central Farm Machinery Training and
Testing Institute, BUDNI, INDIA



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Mahindra	NE 462 R
<i>Type, Supercharging</i>	Direct Injection	No
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	3532 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 2,47	to 30,34 km/h
<i>Standard Power take-off speed</i>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>	577 min ⁻¹	
<i>Diameter of the shaft</i>	34,8 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>	39,3 kW	2200 min ⁻¹	577 min ⁻¹
<i>Hourly and specific consumption</i>		12,66 l/h	269 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	39,3 kW	2200 min ⁻¹	577 min ⁻¹
<i>Hourly and specific consumption</i>		12,66 l/h	269 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	38,9 kW	2058 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		12,18 l/h	262 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	222,7 Nm	1395 min ⁻¹
---	----------	------------------------

Drawbar Test

<i>Front tyres, Rear tyres</i>	11.2-24	16.9-30
<i>Test with tractor</i>	unballasted	ballasted
<i>Total Mass</i>	2980 kg	
<i>Maximum drawbar pull</i>	24,58 kN	Not
<i>at speed of</i>	4,22 km/h	Applicable
<i>Maximum power</i>	32,0 kW	
<i>at speed of</i>	7,57 km/h	

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Open centre
<i>At maximum hydraulic power</i>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	21,67 l/min	17,5 MPa	6,3 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>		Not	Applicable
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		17,67 kN	12,39 kN