



OECD approval number

2/2 475

OECD approval date

02/06/2009

Make

John Deere

Model

7530 AutoPowr

Type

4 WD

IVT - Region 2 - 50 km/h

Manufacturer:

Deere & Company

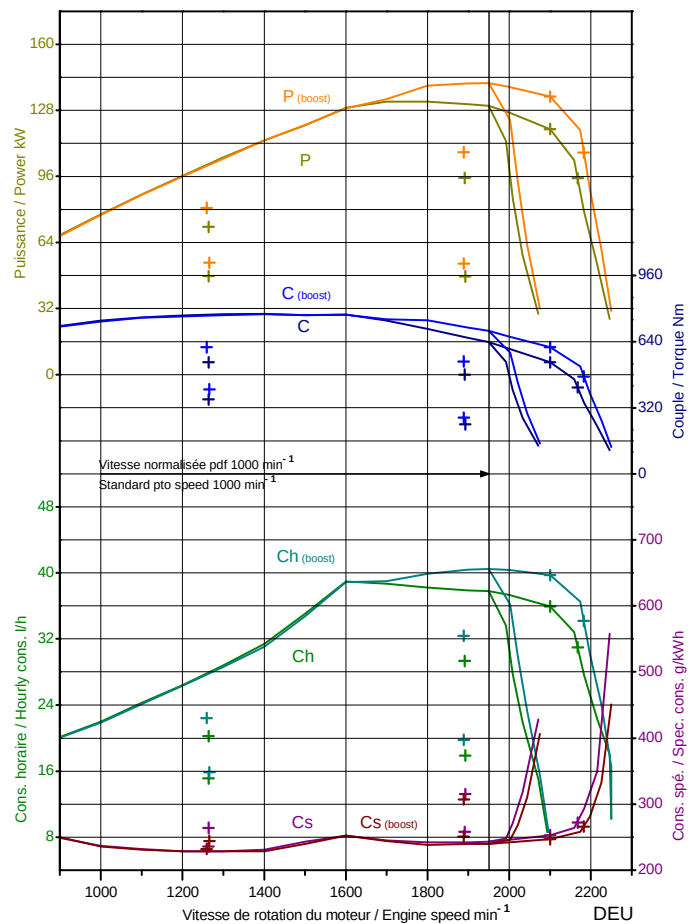
Testing station:

DLG, Gross-Umstadt, Germany

John Deere 7530 AutoPower

4 RM/WD

OCDE/OECD 2/2475



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	John Deere	6068HL482 (DD21338)
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6788 cm ³	Liquid
<i>Gear box</i>		Hydrostatic and mechanical
<i>Number of forward and reverse speeds</i>		Not significant
<i>Speed at rated engine speed</i>		from 0.00 to 50.00 km/h
<i>Standard Power take-off speed</i>		<u>540 min⁻¹</u> <u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>		1077 min ⁻¹
<i>Diameter of the shaft</i>		35 mm
<i>Number of splines</i>		21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	132.2 kW	1800 min ⁻¹	923 min ⁻¹
<i>Hourly and specific consumption</i>		38.20 l/h	242 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	118.9 kW	2100 min ⁻¹	1077 min ⁻¹
<i>Hourly and specific consumption</i>		35.93 l/h	253 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	130.2 kW	1950 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		37.80 l/h	243 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		775.0 Nm	1400 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	600/65 R 28	650/75 R 38
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	7880 kg	
<i>Maximum drawbar pull</i>	75.6 kN	Not
<i>at speed of</i>	4.30 km/h	required
<i>Maximum power</i>	115.1 kW	
<i>at speed of</i>	7.50 km/h	

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<i>At maximum hydraulic power</i>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	98.8 l/min	16.1 MPa	26.5 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	113.8 l/min	18.5 MPa	35.1 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		56.8 kN	50.8 kN

