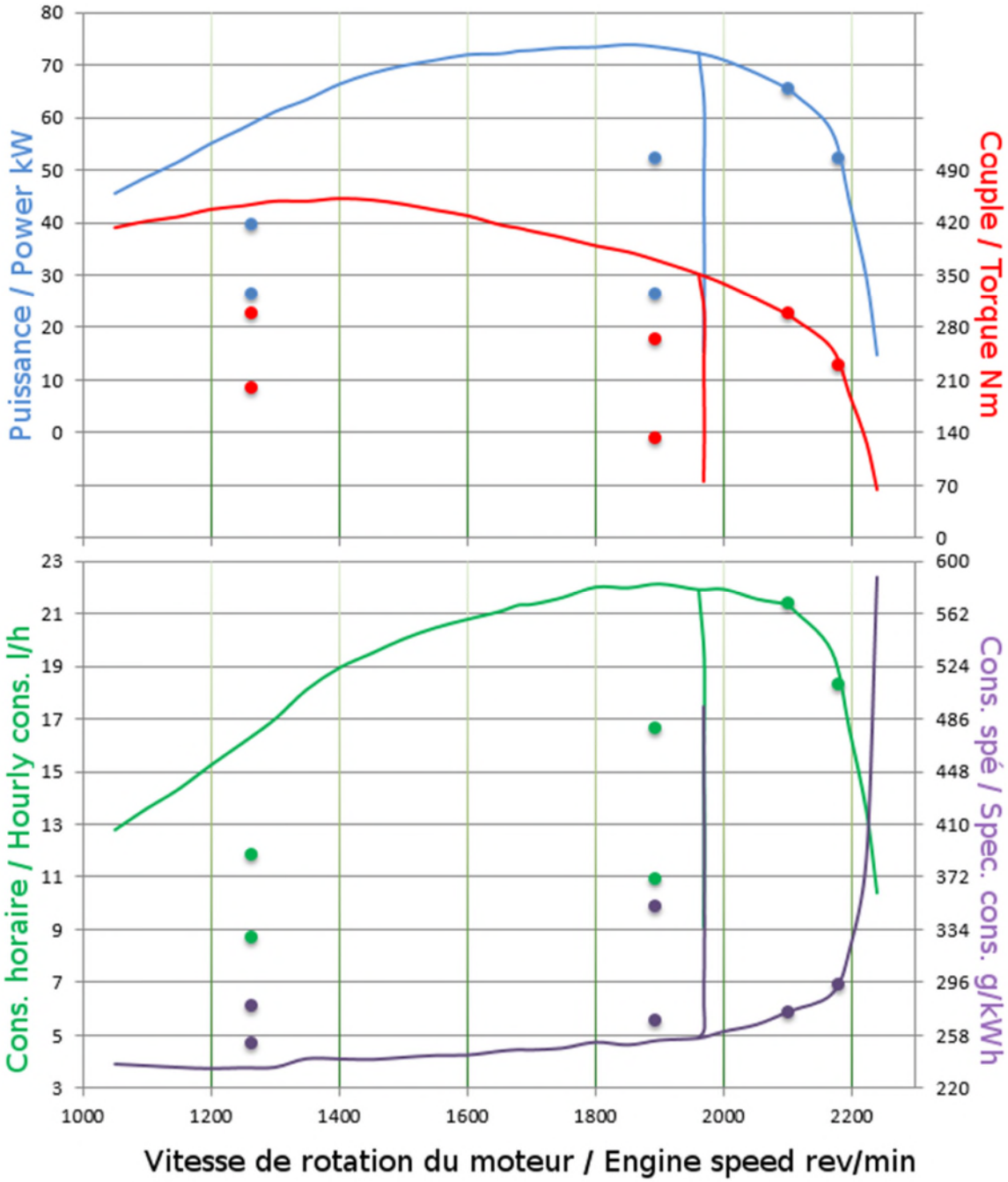
OECD approval number	**2/2 817**
OECD approval date	**26/03/2014**
Make	**John Deere**
Model	**6105M**
Type	**4WD**
	PowrQuad PLUS - 40 km/h
Manufacturer:	John Deere Werke Mannheim
Testing station:	NTTL – Lincoln, Nebraska U.S.A.

John Deere 6105M
4WD

OCDE/OECD 2/2 817



Engine, Transmission, Power take-off Specifications

Make, Model	John Deere		4045HL497
Type, Supercharging	Direct injection		Yes
Cylinders, Disposition	4		vertical in line
Capacity, Cooling	4525 cm^3		Liquid
Gear box			PowrQuad PLUS
Number of forward and reverse speeds		24	24
Speed at rated engine speed		from 1,50	to 38,02 km/h
Standard Power take-off speed		540 min^{-1}	1000 min^{-1}
Power take-off speed at rated engine speed		577 min^{-1}	1071 min^{-1}
Diameter of the shaft		35 mm	35 mm
Number of splines		6	21

Power take-off Test

One hour test at maximum power			
Power, Engine and Power take-off speed	73,87 kW	1852 min^{-1}	944 min^{-1}
Hourly and specific consumption		21,99 l/h	251 g/kWh
Test at maximum power at rated engine speed			
Power, Engine and Power take-off speed	65,49 kW	2101 min^{-1}	1071 min^{-1}
Hourly and specific consumption		21,37 l/h	275 g/kWh
Test at standard Power take-off speed			
Power, Engine and Power take-off speed	72,23 kW	1962 min^{-1}	1000 min^{-1}
Hourly and specific consumption		21,93 l/h	256 g/kWh
Torque rise			51,8 %
Maximum torque, Engine speed corresponding		452,0 Nm	1401 min^{-1}

Drawbar Test

Front tyres, Rear tyres		380/85 R24	420/85 R38
Test with tractor		unballasted	ballasted
Total Mass		4933 kg	
Maximum drawbar pull		47,71 kN	
at speed of		3,96 km/h	*Not*
Maximum power		67,30 kW	*Applicable*
at speed of		7,37 km/h	

Hydraulic Performance and Power Lift Test

Hydraulic system			Closed centre
At maximum hydraulic power			
Flow rate, Pressure, Power (couplers: 1 pair)	115,9 l/min	15,21 MPa	29,4 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	112,9 l/min	17,98 MPa	33,8 kW
Maximum lifting force			
at the hitch points, at frame		22,3 kN	18, 9 kN