



OECD approval number

OECD approval date

Make

Model

Type

Manufacturer:

Testing station:

2/2 795

20/12/2013

Versatile

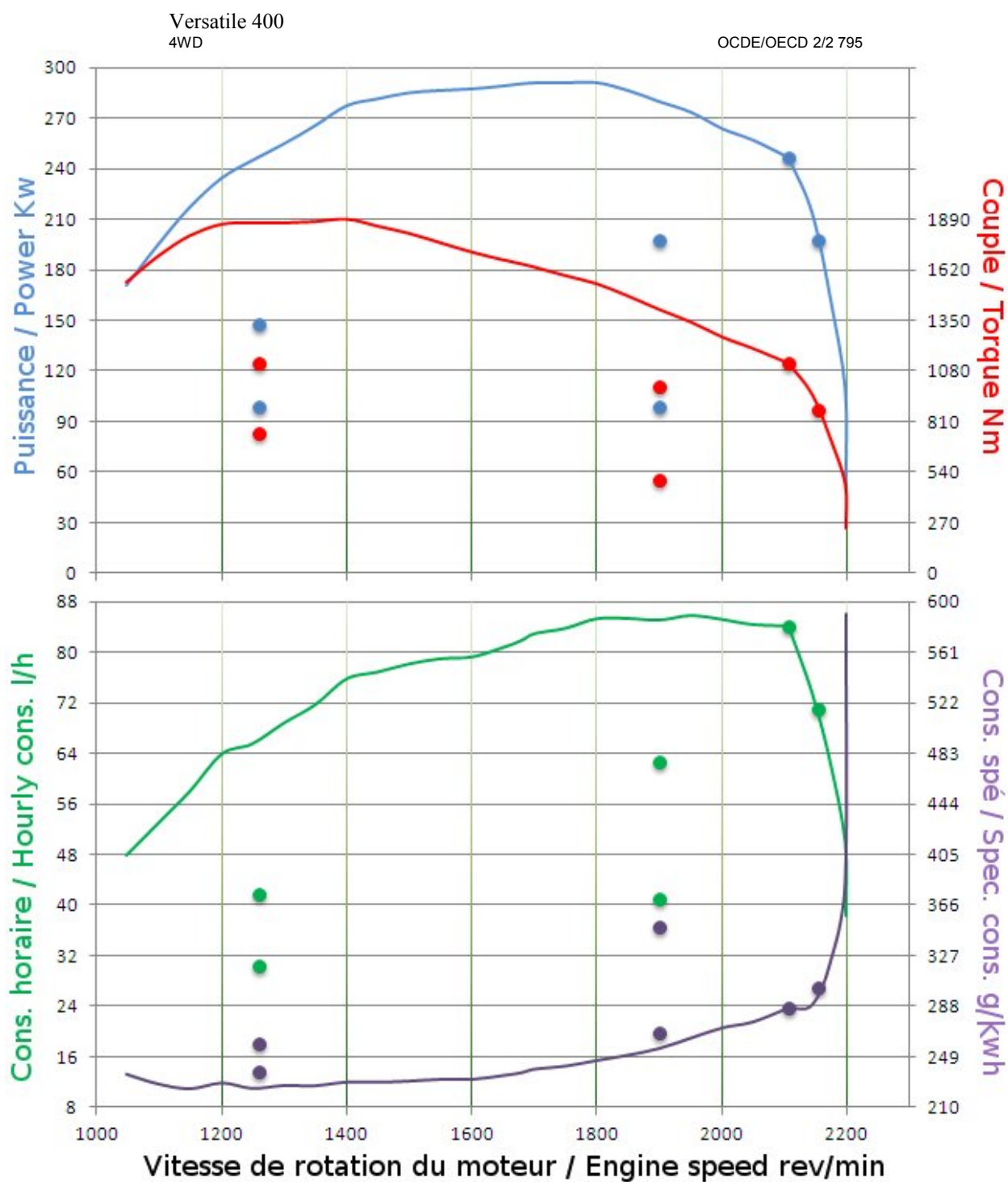
400

Articulated 4WD – Dual wheels

Full PowerShift - 40 km/h

Buhler Versatile

NTTL - U.S.A.



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

<i>Make, Model</i>	Cummins	QSX 11.9
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	11946 cm <sup>3</sup>	Liquid
<i>Gear box</i>		Full PowerShift
<i>Number of forward and reverse speeds</i>	16	4
<i>Speed at rated engine speed</i>	from 3,32	to 36,96 km/h
<i>Standard Power take-off speed</i>	540 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Power take-off speed at rated engine speed</i>		1000 min <sup>-1</sup>
<i>Diameter of the shaft</i>	Not	45 mm
<i>Number of splines</i>	Applicable	20

**Power take-off Test**One hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	291,19 kW	1750 min <sup>-1</sup>	831 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		83,70 l/h	242 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	246,78 kW	2106 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		84,06 l/h	287 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	246,78 kW	2106 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		84,06 l/h	287 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	1892,6 Nm		1400 min <sup>-1</sup>
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**Drawbar Test**

<i>Front tyres, Rear tyres</i>	480/80 R46	480/80 R46
<i>Test with tractor</i>	unballasted	ballasted
<i>Total Mass</i>	16931 kg	
<i>Maximum drawbar pull</i>	164,78 kN	
<i>at speed of</i>	3,79 km/h	Not
<i>Maximum power</i>	273,99 kW	Applicable
<i>at speed of</i>	9,45 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>	127,7 l/min	15,61 MPa	33,2 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	197,5 l/min	18,00 MPa	59,2 kW
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		69,4 kN	52,8 kN