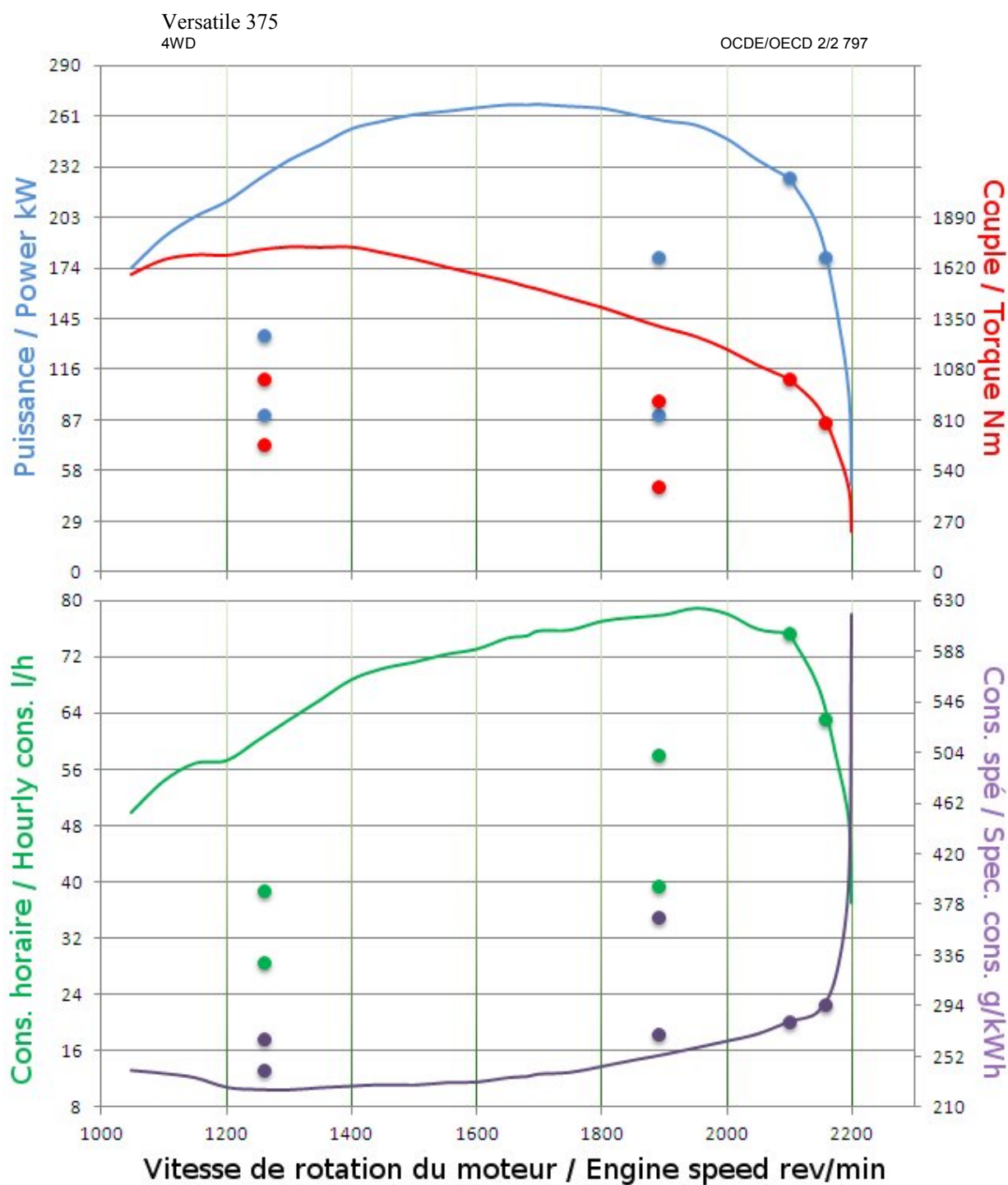




OECD approval number
OECD approval date
Make
Model
Type

Manufacturer:
Testing station:

2/2 797
20/12/2013
Versatile
375
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 ³	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 ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>		1000 min ⁻¹
<i>Diameter of the shaft</i>	Not	45 mm
<i>Number of splines</i>	Applicable	20

Power take-off TestOne hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	267,68 kW	1681 min ⁻¹	768 min ⁻¹
<i>Hourly and specific consumption</i>		74,98 l/h	236 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	225,88 kW	2100 min ⁻¹	997 min ⁻¹
<i>Hourly and specific consumption</i>		75,38 l/h	281 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	225,88 kW	2100 min ⁻¹	997 min ⁻¹
<i>Hourly and specific consumption</i>		75,38 l/h	281 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	1733 Nm	1300 min ⁻¹
---	---------	------------------------

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>	169,54 kN	
<i>at speed of</i>	3,88 km/h	Not
<i>Maximum power</i>	253,59 kW	Applicable
<i>at speed of</i>	11,57 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