



OECD approval number
OECD approval date
Make
Model
Type

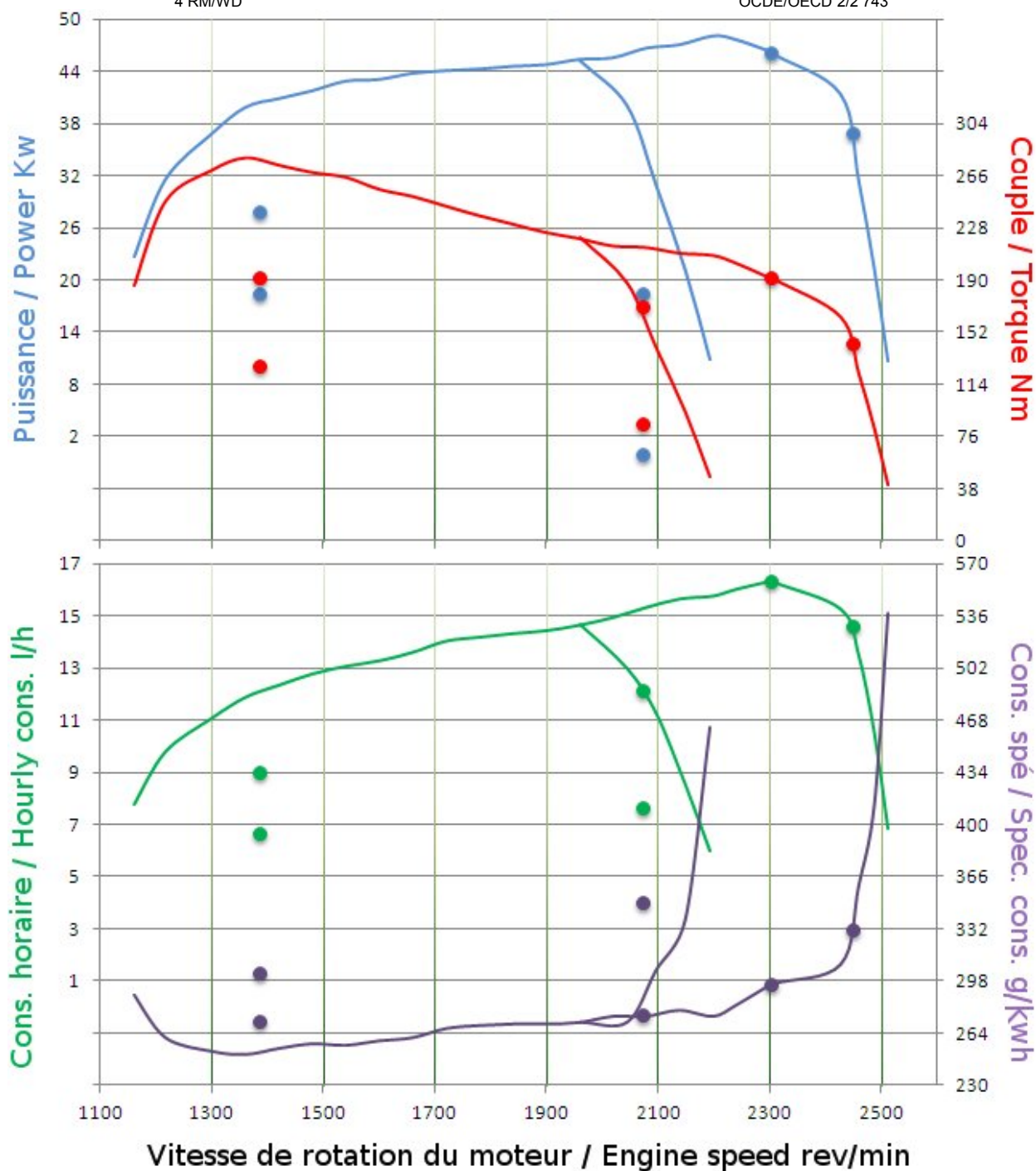
Manufacturer:
Testing station:

2/2 743
24/01/2013
New Holland
T4.75
4WD

Mechanical - 30 km/h
CNH Europe Holding S.A.
DISTAL - Department of Agricultural and
Food Sciences - University of Bologna

New Holland T4.75
4 RM/WD

OCDE/OECD 2/2 743



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	FPT Industrial	F5AE9454K
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	3200 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 2,54	to 32,42 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>	634 min ⁻¹	
<i>Diameter of the shaft</i>	35 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>	48,0 kW	2200 min ⁻¹	607 min ⁻¹
<i>Hourly and specific consumption</i>		15,75 l/h	275 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	46,2 kW	2304 min ⁻¹	636 min ⁻¹
<i>Hourly and specific consumption</i>		16,32 l/h	296 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	45,3 kW	1960 min ⁻¹	541 min ⁻¹
<i>Hourly and specific consumption</i>		14,64 l/h	271 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	279,4 Nm	1360 min ⁻¹	45,9 %
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Drawbar Test

<i>Front tyres, Rear tyres</i>	280/85 R24	420/85 R30
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	2805 kg	
<i>Maximum drawbar pull</i>	23,12 kN	
<i>at speed of</i>	3,55 km/h	Not
<i>Maximum power</i>	37,69 kW	Applicable
<i>at speed of</i>	9,97 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>	45,4 l/min	17,87 MPa	13,52 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>		15,80 kN	12,74 kN