

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 966/1
OECD Approval Date	06/12/2016
Make	NEW HOLLAND
Model	T7.190 AC
Type	4 WD
Transmission	Continuously variable transmission
Speed	40 km/h
Manufacturer	CNH Industrial Europe Holding S.A.
Testing Station	BLT – Austria



SPECIFICATIONS

ENGINE

<i>Make</i>	FTP Industrial
<i>Model</i>	F4DFE613M*B
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	vertical in line
<i>Capacity</i>	6728 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>		CVT
<i>Number of forward and reverse speeds</i>	2	1
<i>Speed at rated engine speed</i>	from 0	to 37,80 km/h

POWER TAKE-OFF SPECIFICATIONS

<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>	603 min ⁻¹	1141 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 mm
<i>Number of splines</i>	6	21

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	105,6 kW	1800 min ⁻¹	933 min ⁻¹
Hourly and specific consumption		29,51 l/h	232 g/kWh
Hourly and specific urea consumption		-	-

Test at maximum power at rated engine speed

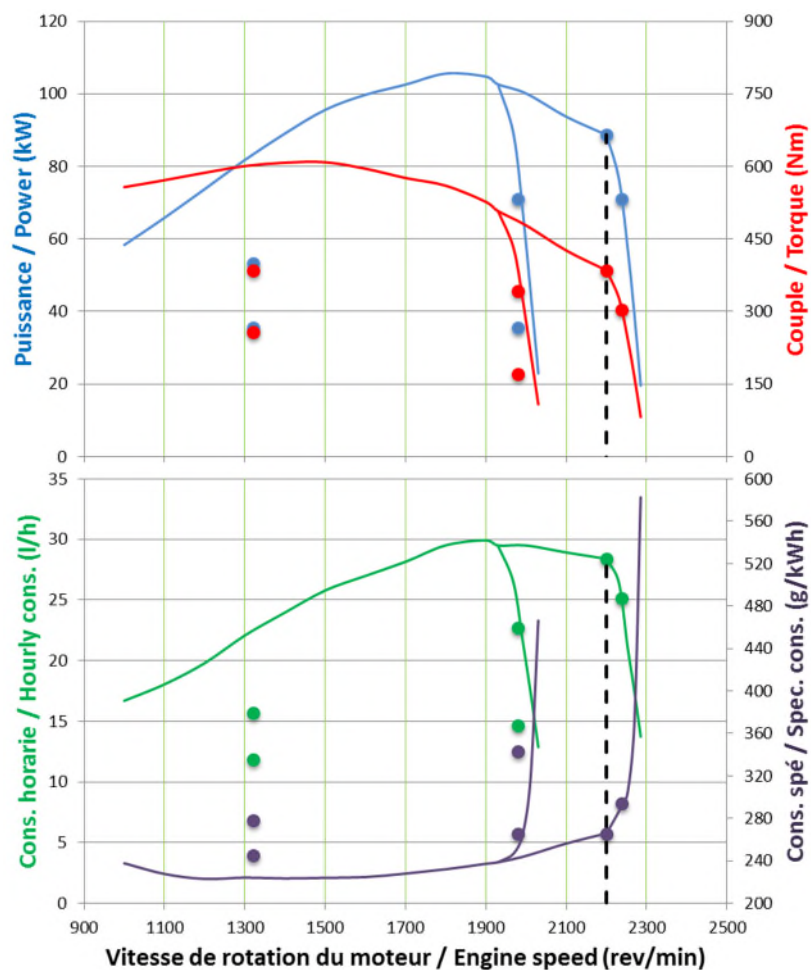
Power, Engine and Power take-off speed	88,7 kW	2200 min ⁻¹	1140 min ⁻¹
Hourly and specific consumption		28,39 l/h	266 g/kWh
Hourly and specific urea consumption		-	-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	102,6 kW	1930 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		29,49 l/h	239 g/kWh
Hourly and specific urea consumption		-	-

Torque rise

			58,1 %
<u>Maximum torque, Engine speed corresponding</u>	608,6 Nm	1500 min ⁻¹	



POWERBOOST - PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed

- - -

Hourly and specific consumption

- - -

Hourly and specific urea consumption

- - -

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed

105,9 kW

2200 min⁻¹1140 min⁻¹

Hourly and specific consumption

32,95 l/h

258 g/kWh

Hourly and specific urea consumption

- -

Test at standard Power take-off speed

Power, Engine and Power take-off speed

120,4 kW

1930 min⁻¹1000 min⁻¹

Hourly and specific consumption

33,86 l/h

233 g/kWh

Hourly and specific urea consumption

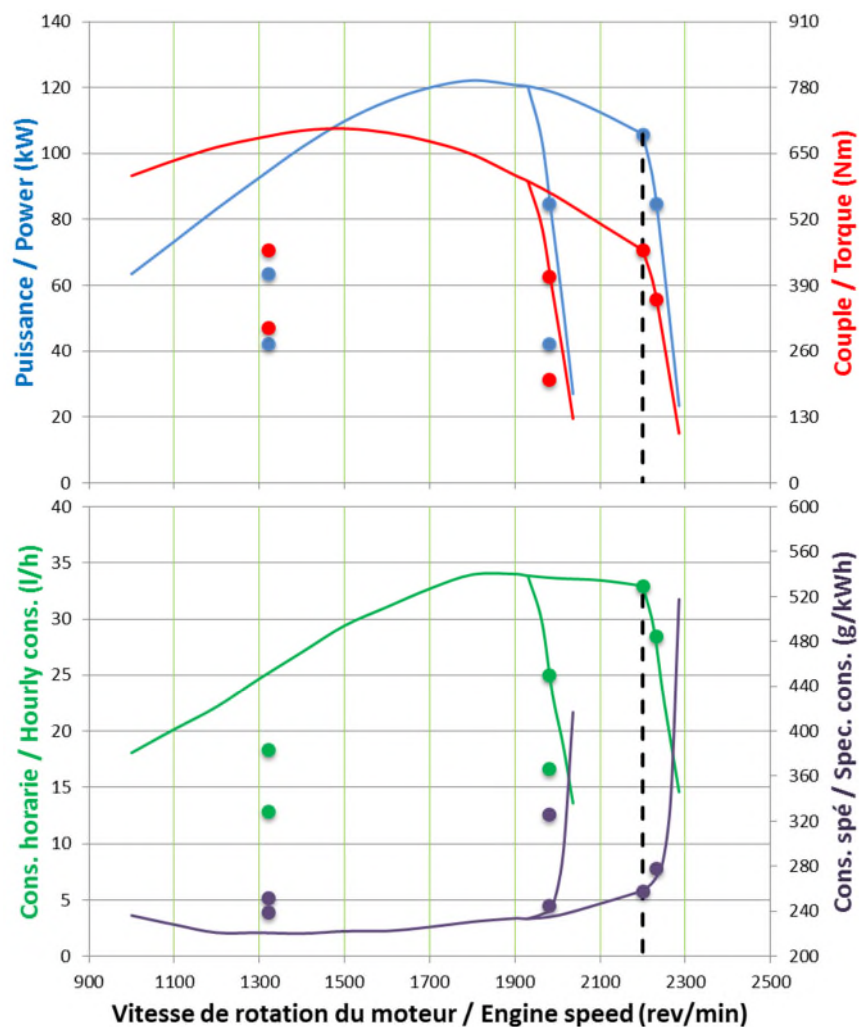
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Torque rise

52,1 %

Maximum torque, Engine speed corresponding

699,1 Nm

1500 min⁻¹

PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

Not available

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system

closed centre

Relief valve pressure setting (tolerance):

21,0 ± 0,5 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair) 93,2 l/min 17,0 MPa 26,4 kW

Flow rate, Pressure, Power (couplers: 2 pairs or +) 111,7 l/min 18,0 MPa 33,5 kW

POWER LIFT

Maximum lifting force

at the hitch points

49,7 kN

at the frame

36,6 kN

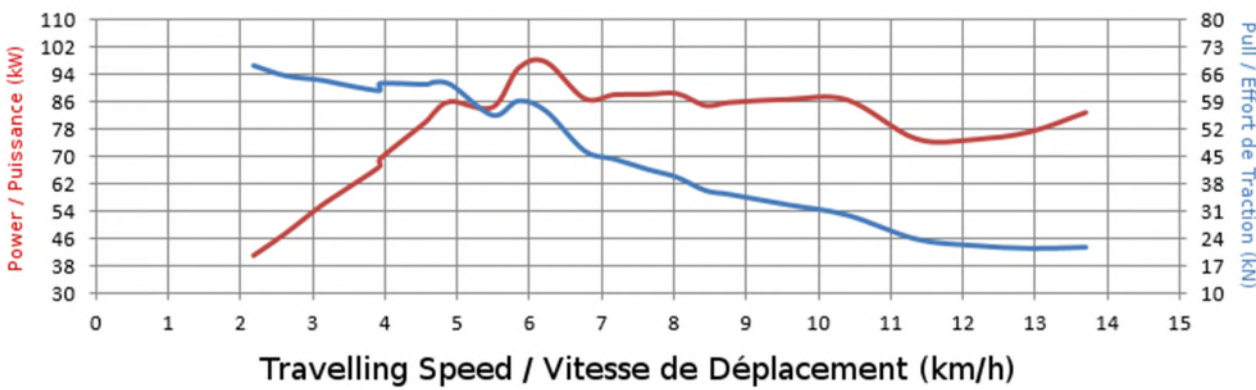


DRAWBAR TEST

Front tyres, Rear tyres	420/85 R 28	520/85 R 38
Inflation pressure	110 kPa	110 kPa

UNBALLASTED

Total Mass	7105 kg
Maximum drawbar pull	69,11 kN
at speed of	2,18 km/h
Maximum power	97,76 kW
at speed of	6,23 km/h



BALLASTED

Not available