

## OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

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<b>OECD Approval Number</b>	<b>2/2 954/1</b>
<b>OECD Approval Date</b>	<b>29/11/2016</b>
<b>Make</b>	<b>CASE IH</b>
<b>Model</b>	<b>Puma 240 CVT</b>
<b>Type</b>	<b>4 WD</b>
<b>Transmission</b>	Continuously variable transmission
<b>Speed</b>	40 km/h
<b>Manufacturer</b>	CNH Industrial Europe Holding S.A.
<b>Testing Station</b>	BLT – Austria





## SPECIFICATIONS

### ENGINE

<i>Make</i>	FTP Industrial
<i>Model</i>	F4DFE613B*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 <sup>3</sup>
<i>Cooling</i>	Liquid

### TRANSMISSION

<i>Gear box</i>	CVT
<i>Number of forward and reverse speeds</i>	4 2
<i>Speed at rated engine speed</i>	from 0 to 49,90 km/h

### POWER TAKE-OFF SPECIFICATIONS

<i>Standard Power take-off speed</i>	<u>540 min<sup>-1</sup></u>	<u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>	609 min <sup>-1</sup>	1162 min <sup>-1</sup>
<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	170,5 kW	1800 min <sup>-1</sup>	951 min <sup>-1</sup>
Hourly and specific consumption		47,19 l/h	228 g/kWh
Hourly and specific urea consumption		-	-

### Test at maximum power at rated engine speed

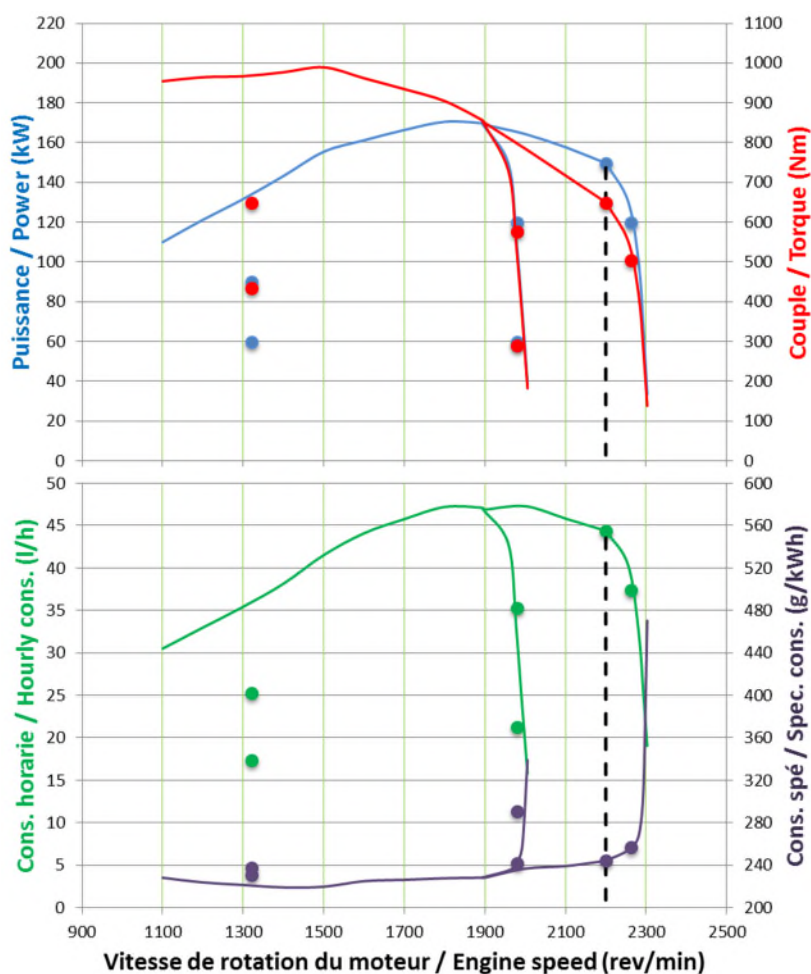
Power, Engine and Power take-off speed	149,7 kW	2200 min <sup>-1</sup>	1163 min <sup>-1</sup>
Hourly and specific consumption		44,37 l/h	244 g/kWh
Hourly and specific urea consumption		-	-

### Test at standard Power take-off speed

Power, Engine and Power take-off speed	169,8 kW	1892 min <sup>-1</sup>	1000 min <sup>-1</sup>
Hourly and specific consumption		47,09 l/h	230 g/kWh
Hourly and specific urea consumption		-	-

### Torque rise

			52,3 %
<u>Maximum torque, Engine speed corresponding</u>		989,4 Nm	1500 min <sup>-1</sup>





## 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	162,9 kW	2200 min <sup>-1</sup>	1163 min <sup>-1</sup>
Hourly and specific consumption		47,47 l/h	239 g/kWh
Hourly and specific urea consumption		-	-

### Test at standard Power take-off speed

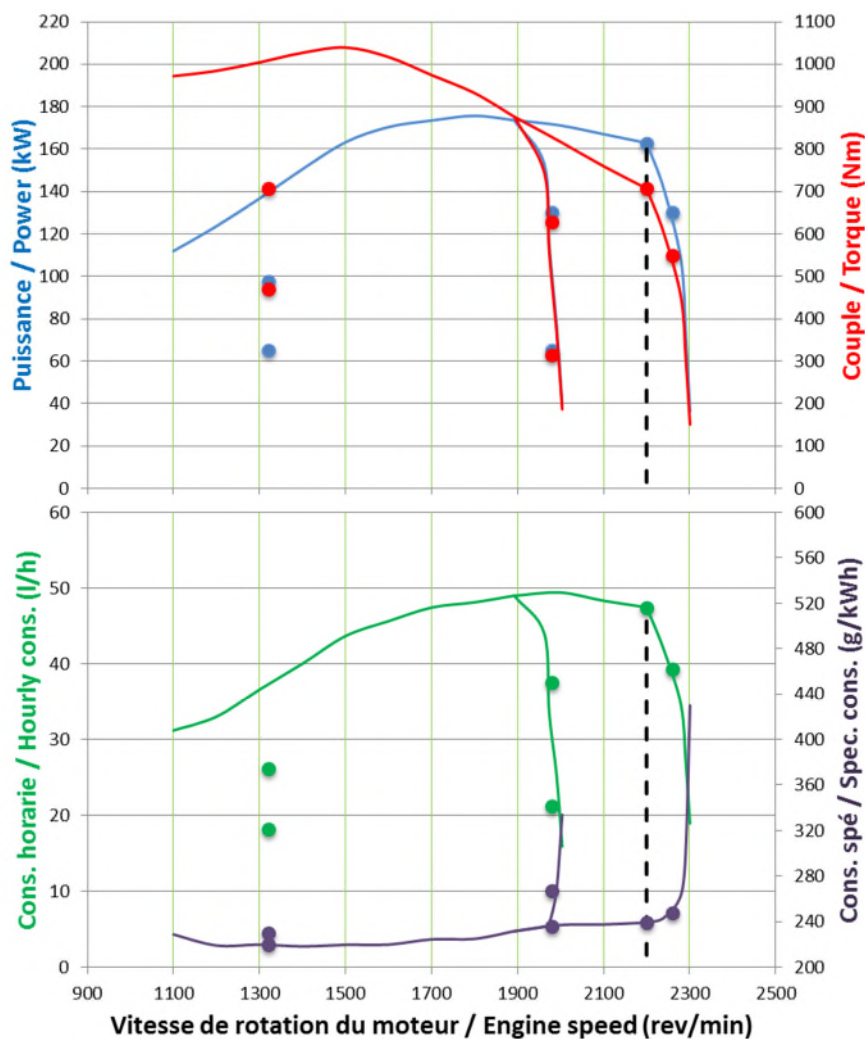
Power, Engine and Power take-off speed	173,6 kW	1892 min <sup>-1</sup>	1000 min <sup>-1</sup>
Hourly and specific consumption		49,00 l/h	232 g/kWh
Hourly and specific urea consumption		-	-

### Torque rise

47,0 %

### Maximum torque. Engine speed corresponding

1039,4 Nm

1500 min<sup>-1</sup>



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## PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

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*Not available*

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## HYDRAULIC PERFORMANCE AND POWER LIFT TEST

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Hydraulic system

closed centre

Relief valve pressure setting (tolerance):

21,0 ± 0,5 MPa

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### HYDRAULIC PERFORMANCES

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#### At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	103,0 l/min	17,0 MPa	29,2 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	129,4 l/min	17,0 MPa	36,7 kW

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### POWER LIFT

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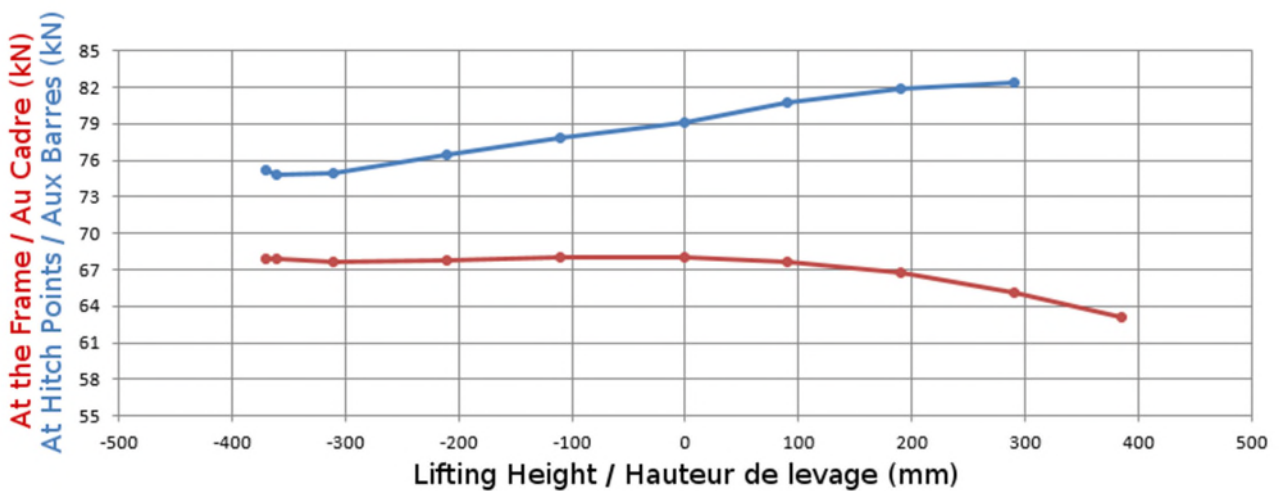
#### Maximum lifting force

at the hitch points

74,8 kN

at the frame

63,1 kN



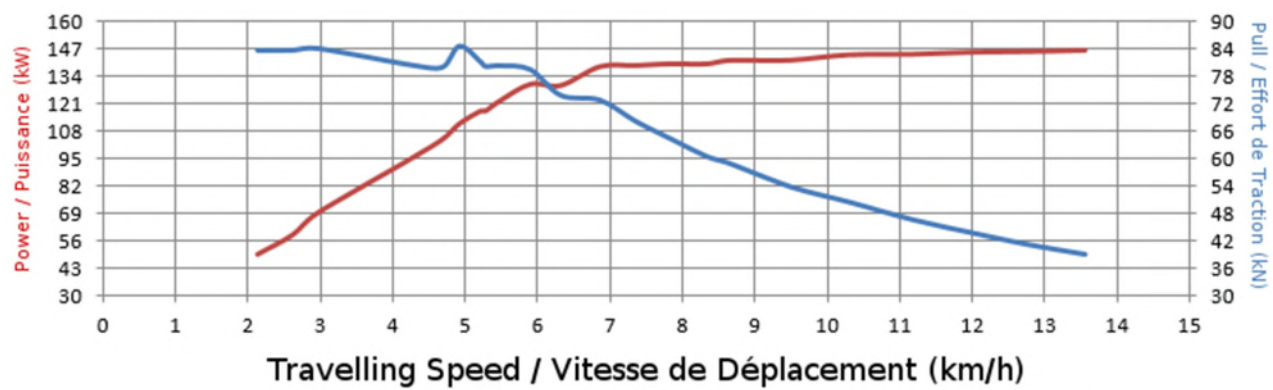


DRAWBAR TEST

Front tyres, Rear tyres	600/65 R 28	710/70 R 38
Inflation pressure	110 kPa	110 kPa

UNBALLASTED

Total Mass	8815 kg
Maximum drawbar pull	84,74 kN
at speed of	4,92 km/h
Maximum power	146,53 kW
at speed of	13,56 km/h



BALLASTED

Not available