



OECD approval number
OECD approval date
Make
Model
Type

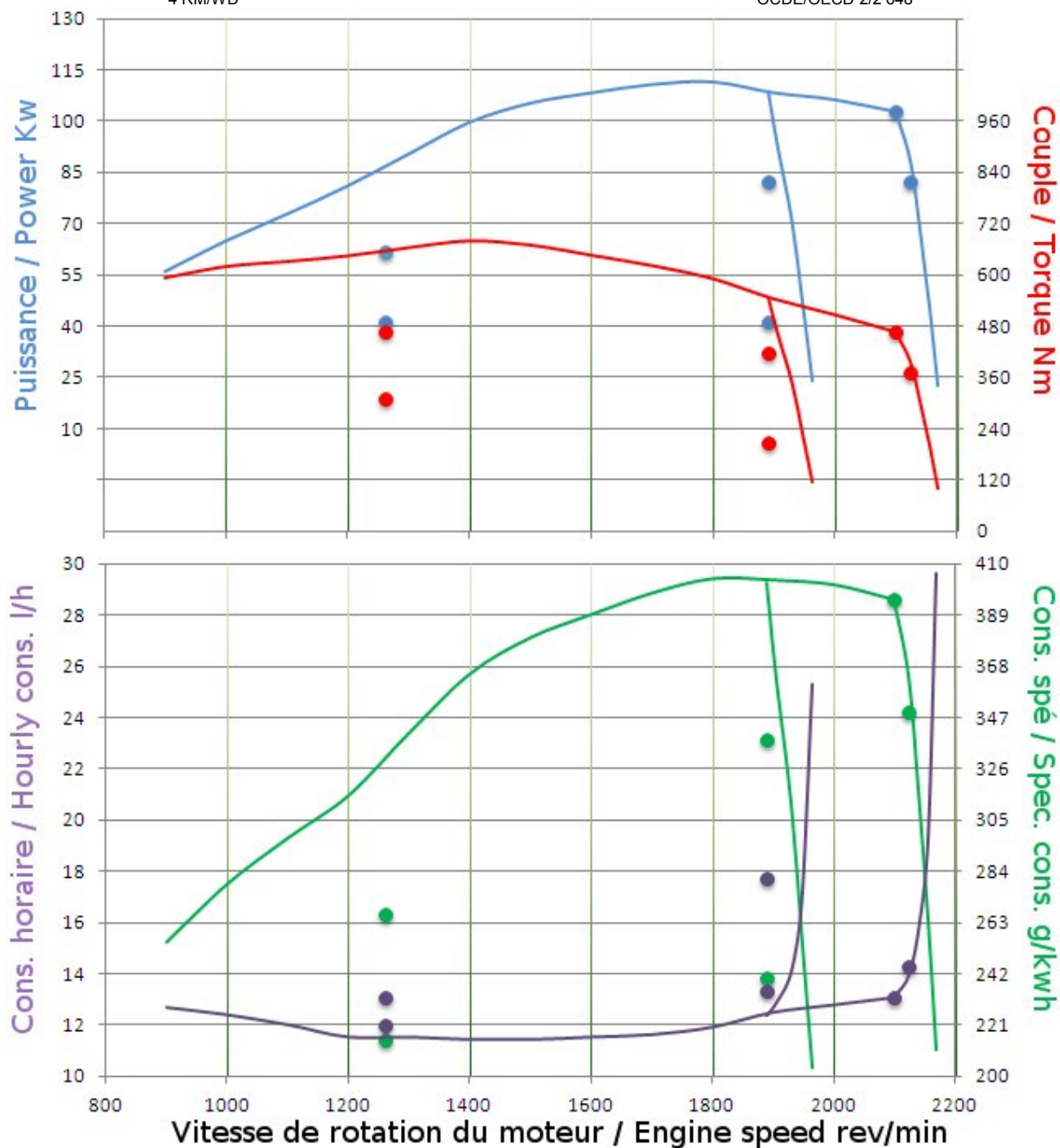
Manufacturer:
Testing station:

2/2 648
18/11/2011
CASE IH
Puma 145
4 WD

semi-powershift - 40 km/h
CNH Europe Holding S.A.
IMAMOTER – Torino, Italy

CASE IH Puma 145
4 RM/WD

OCDE/OECD 2/2 648



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Iveco	F4DFE613C
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	6	vertical in line
<i>Capacity, Cooling</i>	6728 cm ³	Liquid
<i>Gear box</i>		mechanical
<i>Number of forward and reverse speeds</i>	18	6
<i>Speed at rated engine speed</i>	from 2,4	to 38,9 km/h
<u>Standard Power take-off speed</u>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>		1109 min ⁻¹
<i>Diameter of the shaft</i>	Not	35 mm
<i>Number of splines</i>	Applicable	21

Power take-off TestOne hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	111,4 kW	1800 min ⁻¹	952 min ⁻¹
<i>Hourly and specific consumption</i>		29,44 l/h	220 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	103,5 kW	2100 min ⁻¹	1111 min ⁻¹
<i>Hourly and specific consumption</i>		28,63 l/h	232 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	108,5 kW	1890 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		29,25 l/h	225 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	681 Nm	1400 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	540/65R28	650/65R38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	6510 kg	
<i>Maximum drawbar pull</i>	61,0 kN	Not
<i>at speed of</i>	2,1 km/h	Applicable
<i>Maximum power</i>	96,1 kW	
<i>at speed of</i>	13,3 km/h	

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Closed centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	90,4 l/min	16,0 MPa	24,1 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	88,5 l/min	18,0 MPa	26,6 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		52,3 kN	41,3 kN