



OECD approval number
OECD approval date
Make
Model
Type

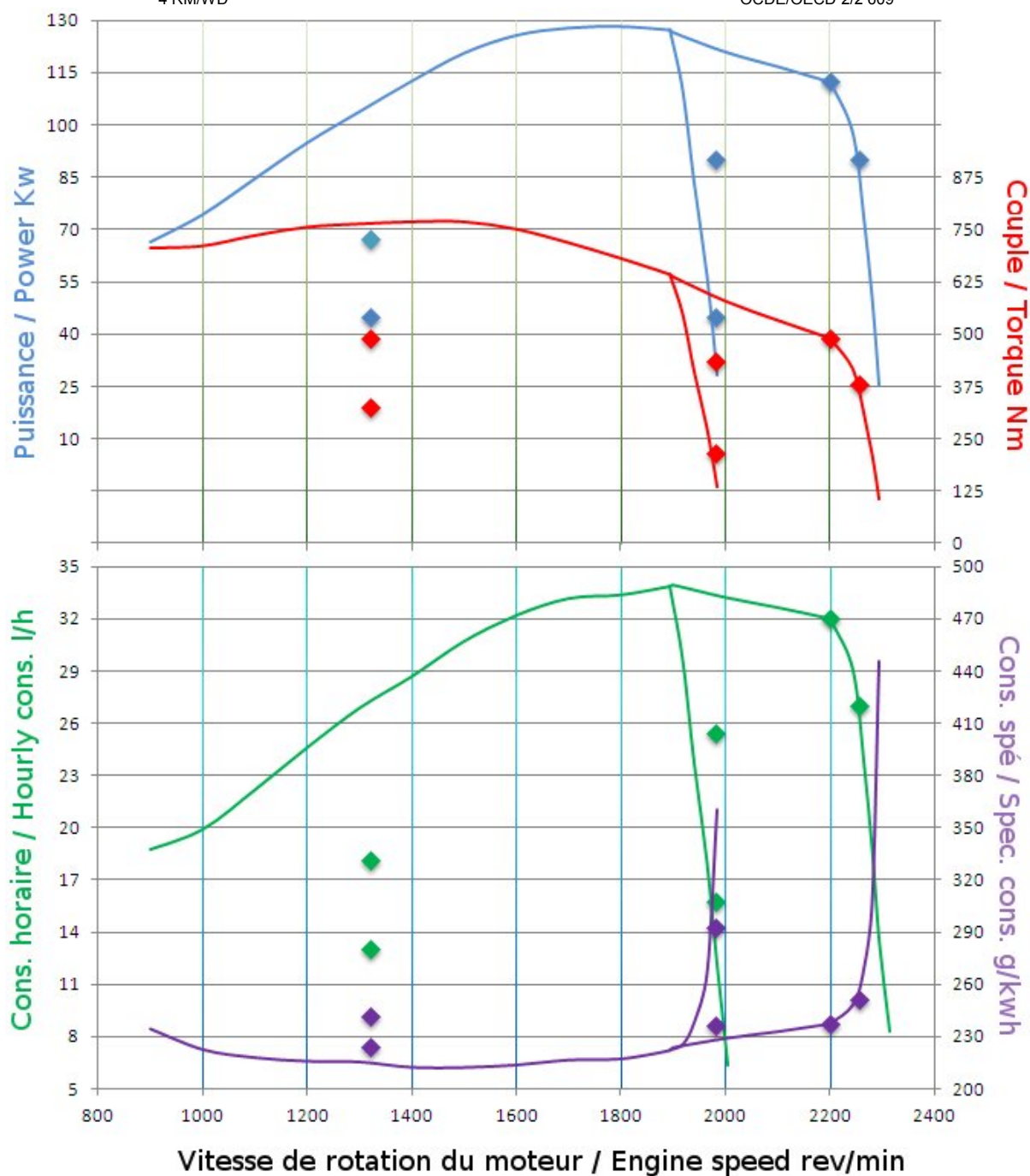
Manufacturer:
Testing station:

2/2 609
15/07/2011
Case IH
Puma 170
4 WD

Electro/Hydraulic - 50 km/h
CNH Europe Holding S.A.
HBLFA Francisco Josephinum
BLT Biomass – Logistic – Technology
Rottenhauser Straße 1
AT 3250 Wieselburg

Case IH Puma 170
4 RM/WD

OCDE/OECD 2/2 609



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Iveco	F4DFE613L
<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>		Electro/Hydraulic
<i>Number of forward and reverse speeds</i>	19	6
<i>Speed at rated engine speed</i>	from 1,89	to 49.90 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>	581 min ⁻¹	1109 min ⁻¹
<i>Diameter of the shaft</i>	34,9 mm	34,9 mm
<i>Number of splines</i>	6	21

Power take-off TestOne hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	128,4 kW	1800 min ⁻¹	951 min ⁻¹
<i>Hourly and specific consumption</i>		33,39 l/h	217,2 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	112,5 kW	2200 min ⁻¹	1162 min ⁻¹
<i>Hourly and specific consumption</i>		32,02 l/h	237,7 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	127,4 kW	1893 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		33,88 l/h	222,1 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	769,3 Nm	1500 min ⁻¹	57,5 %
---	----------	------------------------	--------

Drawbar Test

<i>Front tyres, Rear tyres</i>	600/65/R 28	710/70/R 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	8500 kg	
<i>Maximum drawbar pull</i>	76,53 kN	Not
<i>at speed of</i>	4,70 km/h	Applicable
<i>Maximum power</i>	110,09 kW	
<i>at speed of</i>	12,85 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>	91,8 l/min	17 MPa	26,00 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	99,1 l/min	18,5 MPa	30,06 kW
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		52,7 kN	42,1 kN