



OECD approval number
OECD approval date
Make
Model
Type

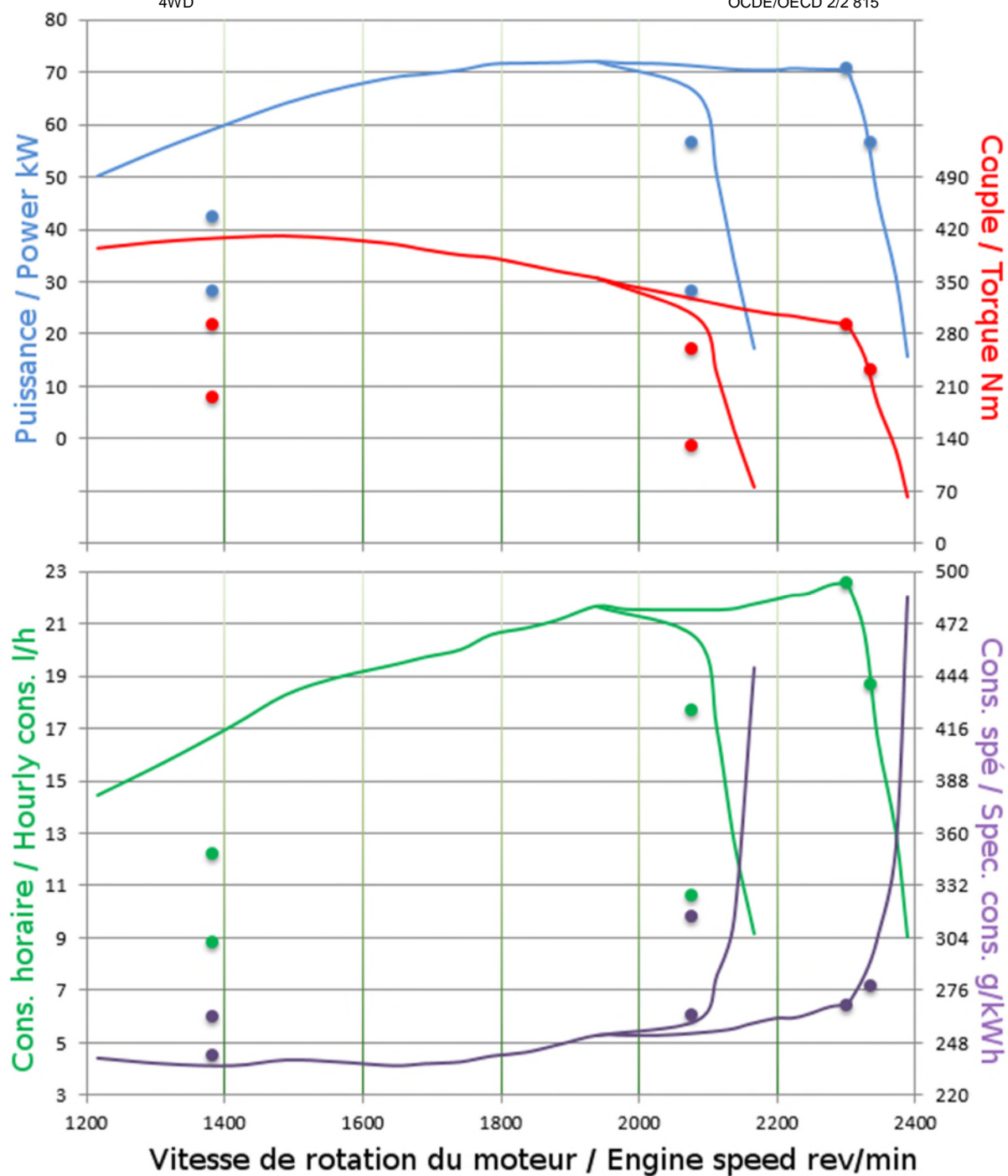
Manufacturer:
Testing station:

2/2 815
19/02/2014
CASE IH
FARMALL 105 C
4WD

Mechanical - 40 km/h
CNH Europe Holding S.A.
DISTAL – Bologna, Italy

CASE IH FARMALL 105 C
4WD

OCDE/OECD 2/2 815



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	FTP Industrial	F5DFL413J
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	3387 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>		12
<i>Speed at rated engine speed</i>	from 2,15	to 38,22 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>	641 min ⁻¹	1194 min ⁻¹
<i>Diameter of the shaft</i>	35 mm	35 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>	72,0 kW	1938 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		21,64 l/h	252 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	70,5 kW	2301 min ⁻¹	641 min ⁻¹
<i>Hourly and specific consumption</i>		22,55 l/h	268 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	72,0 kW	1938 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		21,64 l/h	252 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		411,4 Nm	1488 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	440/65 R24	540/65 R34
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3810 kg	
<i>Maximum drawbar pull</i>	30,66 kN	
<i>at speed of</i>	4,35 km/h	Not
<i>Maximum power</i>	57,79 kW	Applicable
<i>at speed of</i>	9,21 km/h	

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Open centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	51,5 l/min	17,3 MPa	14,8 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>		Not	Applicable
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		18,16 kN	15,57 kN