OECD approval number	**2/2 688**
OECD approval date	**22/03/2012**
Make	**CASE IH**
Model	**Magnum 340**
Type	**4WD**
	Power Shift - 40 km/h
Manufacturer:	CNH America LLC
Testing station:	Nebraska Tractor Test Laboratory
	Lincoln, Nebraska U.S.A.

CASE IH Magnum 340
4 RM/WD   OCDE/OECD 2/2 688

ORGANISATION
FOR ECONOMIC
CO-OPERATION
AND DEVELOPMENT

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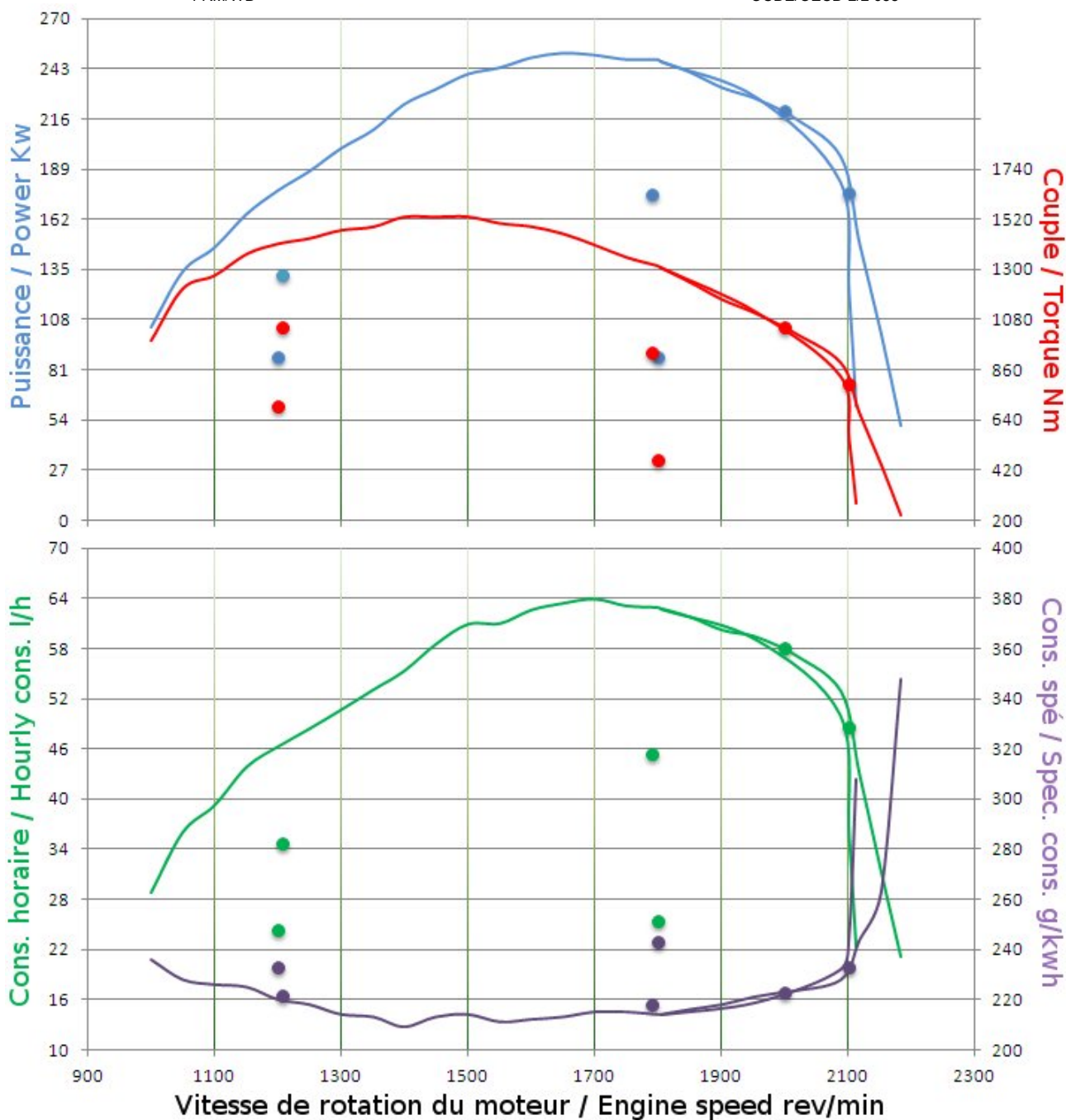
Engine, Transmission, Power take-off Specifications

Make, Model		FPT	Cursor 9L
Type, Supercharging		Direct injection	Yes
Cylinders, Disposition		6	vertical in line
Capacity, Cooling		8704 cm^3	Liquid
Gear box			Power Shift
Number of forward and reverse speeds		19	4
Speed at rated engine speed		from 3,15	to 45,75 km/h
<u>Standard Power take-off speed</u>		540 min^{-1}	1000 min^{-1}
Power take-off speed at rated engine speed		597 min^{-1}	1109 min^{-1}
Diameter of the shaft		35 mm	44 mm
Number of splines		6	20

Power take-off Test

<u>One hour test at maximum power</u>

Power, Engine and Power take-off speed	251,58 kW	1650 min^{-1}	915 min^{-1}
Hourly and specific consumption		63,42 l/h	213 g/kWh

<u>Test at maximum power at rated engine speed</u>

Power, Engine and Power take-off speed	220,00 kW	2000 min^{-1}	1110 min^{-1}
Hourly and specific consumption		58,05 l/h	223 g/kWh

<u>Test at standard Power take-off speed</u>

Power, Engine and Power take-off speed	247,16 kW	1804 min^{-1}	1000 min^{-1}
Hourly and specific consumption		62,76 l/h	214 g/kWh
<u>Torque rise</u>			45,7 %
<u>Maximum torque, Engine speed corresponding</u>		1530 Nm	1500 min^{-1}

Drawbar Test

Front tyres, Rear tyres	420/90R30	520/85R42
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
Total Mass	12025 kg	16776 kg
Maximum drawbar pull	116,71 kN	165,99 kN
at speed of	5,07 km/h	3,75 km/h
Maximum power	218,69 kW	218,08 kW
at speed of	8,77 km/h	7,69 km/h

Hydraulic Performance and Power Lift Test

Hydraulic system			Closed centre
<u>At maximum hydraulic power</u>			
Flow rate, Pressure, Power (couplers: 1 pair)	146,6 l/min	14,96 MPa	36,6 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	226,0 l/min	17,71 MPa	66,7 kW
<u>Maximum lifting force</u>			
at the hitch points, at frame		77,9 kN	63,4 kN