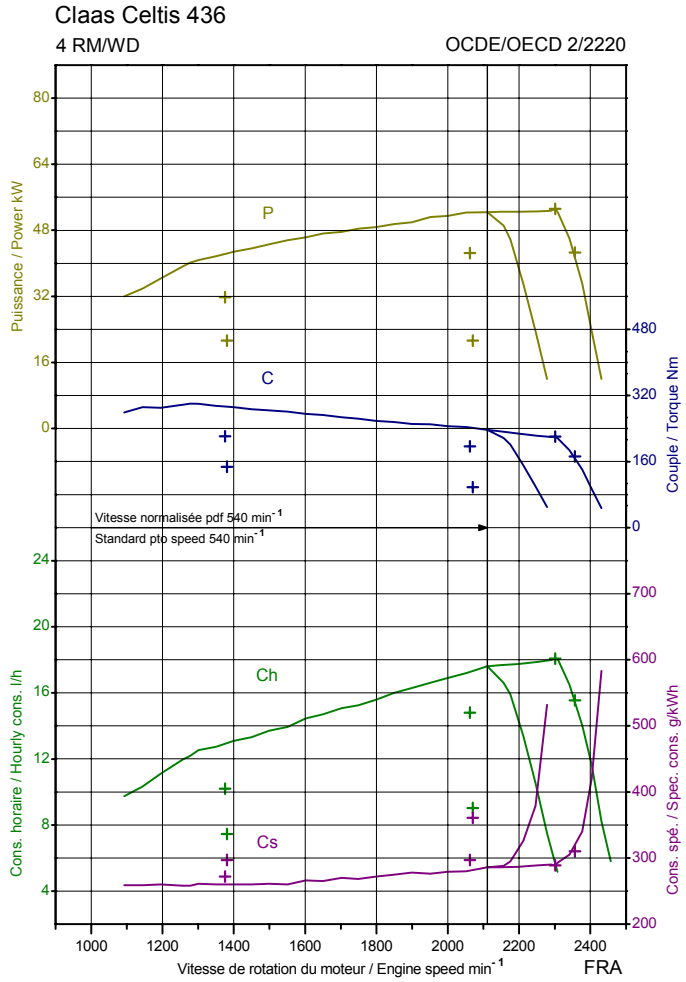
OECD approval number	**2/2 220**
	Restricted Code
OECD approval date	**18/02/2005**
Make	**Claas**
Model	**Celtis 436**
Type	**4 WD**
M3622DA - Renault - Mechanical injection - 40 km/h	
Manufacturer	CLAAS KGaA mbH
Testing station:	Cemagref, Antony, France



Engine, Transmission, Power take-off Specifications

Make, Model	John Deere		4045 TRT 77
Type, Supercharging	Direct injection		Yes
Cylinders, Disposition	4		vertical in line
Capacity, Cooling	4525 cm^3		Liquid
Gear box			Mechanical
Number of forward and reverse speeds		20	20
Speed at rated engine speed		from 1.80	to 38.16 km/h
Standard Power take-off speed		540 min^{-1}	1000 min^{-1}
Power take-off speed at rated engine speed		588 min^{-1}	1086 min^{-1}
Diameter of the shaft		34.9 mm	34.9 mm
Number of splines		6	21

Power take-off Test

Two hours test at maximum power			
Power, Engine and Power take-off speed	53.2 kW	2301 min^{-1}	589 min^{-1}
Hourly and specific consumption		18.07 l/h	289 g/kWh
Test at maximum power at rated engine speed			
Power, Engine and Power take-off speed	53.2 kW	2301 min^{-1}	589 min^{-1}
Hourly and specific consumption		18.07 l/h	289 g/kWh
Test at standard Power take-off speed			
Power, Engine and Power take-off speed	52.4 kW	2111 min^{-1}	540 min^{-1}
Hourly and specific consumption		17.62 l/h	286 g/kWh
Torque rise			36.2 %
Maximum torque, Engine speed corresponding		300.5 Nm	1278 min^{-1}

Drawbar Test

Front tyres, Rear tyres		440/65 R 24	540/65 R 34
Test with tractor		unballasted	ballasted
Total Mass		3985 kg	
Maximum drawbar pull		37.9 kN	*Not*
at speed of		2.33 km/h	*required*
Maximum power		44.2 kW	*in*
at speed of		7.48 km/h	*Code 2*

Hydraulic Performance and Power Lift Test

Hydraulic system			Opened centre
At maximum hydraulic power			
Flow rate, Pressure, Power	47.2 l/min	15.8 MPa	12.5 kW
Maximum lifting force			
at hitch points, at frame		25.5 kN	19.1 kN

OECD

Cemagref