



OECD approval number

2/2 514

OECD approval date

29/10/2009

Make

Agco

Model

LT 85 A

Type

4 WD

M25D22GF613H - 40 km/h

Manufacturer:

AGCO S.A.

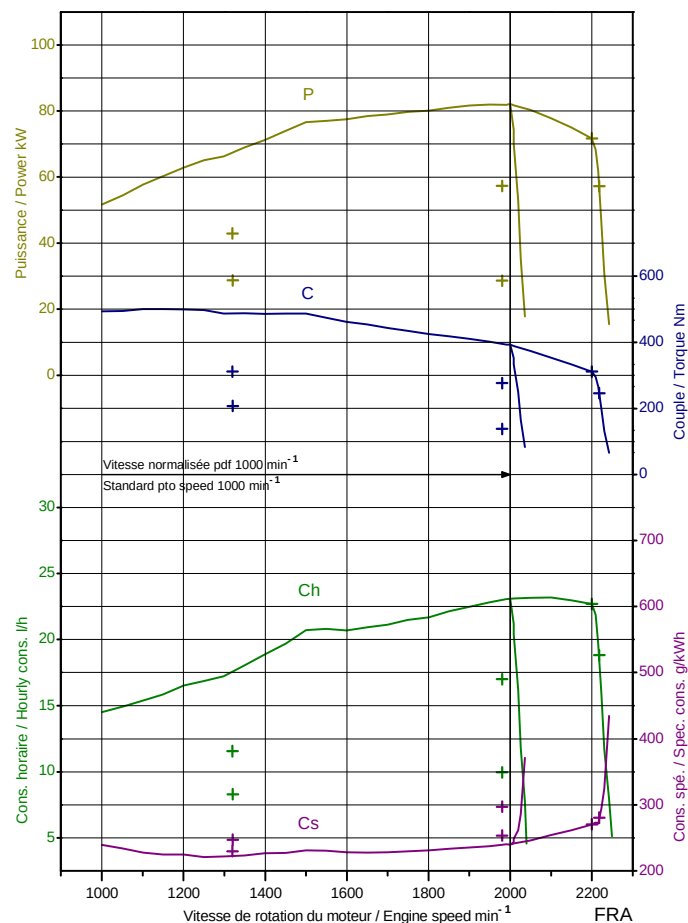
Testing station:

Cemagref, Antony, France

Agco LT 85 A

4 RM/WD

OCDE/OECD 2/2514



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Sisu Diesel	44-435 CWA
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4397 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	16	16
<i>Speed at rated engine speed</i>	from 2.12	to 40.21 km/h
<i>Standard Power take-off speed</i>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>	601 min ⁻¹	1100 min ⁻¹
<i>Diameter of the shaft</i>	34.9 mm	34.9 mm
<i>Number of splines</i>	6	21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	82.1 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		23.10 l/h	240 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	71.7 kW	2200 min ⁻¹	1100 min ⁻¹
<i>Hourly and specific consumption</i>		22.70 l/h	270 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	82.1 kW	2000 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		23.10 l/h	240 g/kWh

Torque rise

		61.1 %
<u>Maximum torque, Engine speed corresponding</u>	501.3 Nm	1100 min ⁻¹

Drawbar Test

<i>Front tyres, Rear tyres</i>	380/85 R 28	18.4 R 38
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	4810 kg	
<i>Maximum drawbar pull</i>	46.5 kN	Not
<i>at speed of</i>	1.84 km/h	required
<i>Maximum power</i>	72.2 kW	
<i>at speed of</i>	13.59 km/h	

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>		Opened centre
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	50.1 l/min	17.3 MPa
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>	53.7 l/min	16.9 MPa
<u>Maximum lifting force</u>		
<i>at the hitch points, at frame</i>	42.4 kN	34.2 kN

