

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 844
OECD Approval Date	27/10/2014
Make	ANTONIO CARRARO
Model	SUPERTIGRE 5800
Type	4 WD
Transmission	mechanical
Speed	30 km/h
Manufacturer	Antonio Carraro S.p.A.
Testing Station	DISTAL – Italy



SPECIFICATIONS

ENGINE

<i>Make</i>	YANMAR
<i>Model</i>	4TNV88-BDCR
<i>Type</i>	Direct injection
<i>Supercharging</i>	No
<i>Cylinders</i>	4
<i>Disposition</i>	vertical in line
<i>Capacity</i>	2190 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	Mechanical
<i>Number of forward and reverse speeds</i>	8
<i>Speed at rated engine speed</i>	from 1,20 to 30,51 km/h

POWER TAKE-OFF SPECIFICATIONS

<i>Standard Power take-off speed</i>	<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>	687 min ⁻¹	
<i>Diameter of the shaft</i>	35 mm	Not
<i>Number of splines</i>	6	Applicable

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	28,8 kW	3000 min ⁻¹	687 min ⁻¹
Hourly and specific consumption		9,95 l/h	289 g/kWh
Hourly and specific urea consumption		-	-

Test at maximum power at rated engine speed

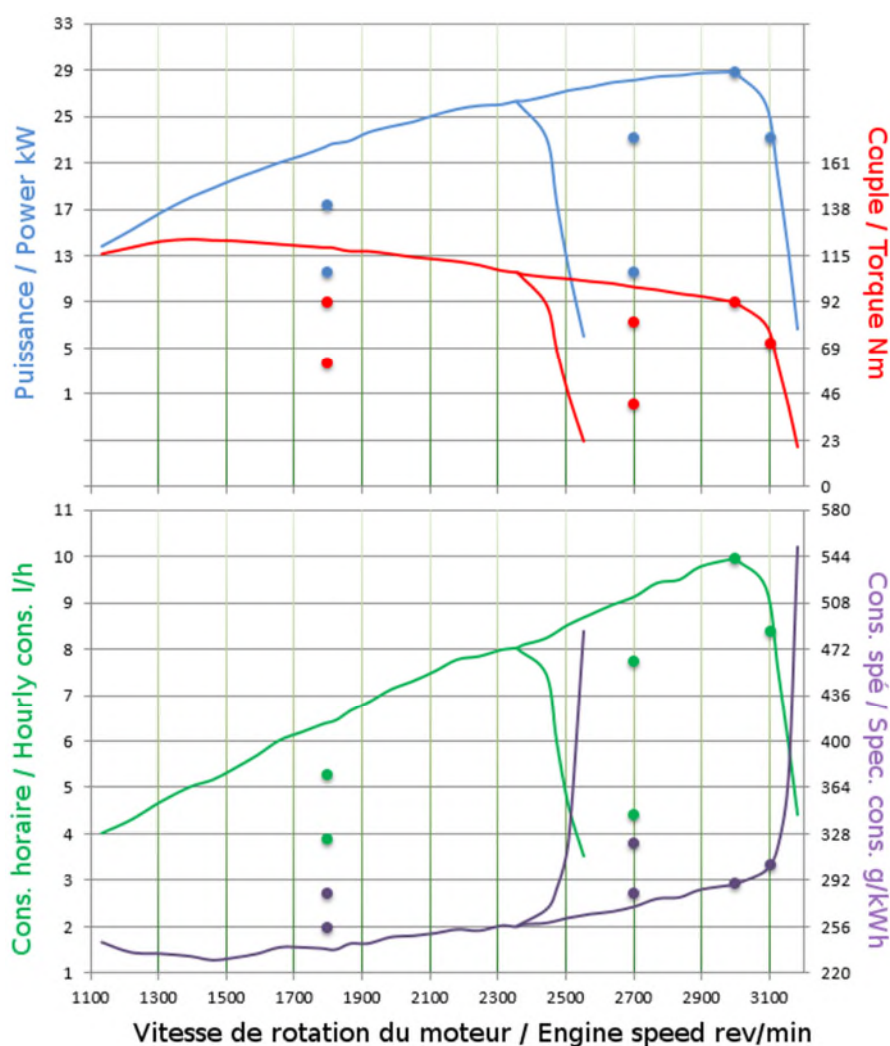
Power, Engine and Power take-off speed	28,8 kW	3000 min ⁻¹	687 min ⁻¹
Hourly and specific consumption		9,95 l/h	289 g/kWh
Hourly and specific urea consumption		-	-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	26,3 kW	2357 min ⁻¹	540 min ⁻¹
Hourly and specific consumption		8,02 l/h	256 g/kWh
Hourly and specific urea consumption		-	-

Torque rise

<u>Maximum torque, Engine speed corresponding</u>		123,2 Nm	34,2 %
			1396 min ⁻¹



PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

Not Applicable

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system

Open centre

Relief valve pressure setting (tolerance):

14,5 ± 0,5 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)

28,18 l/min

11,92 MPa

5,60 kW

Flow rate, Pressure, Power (couplers: 2 pairs or +)

Not

Applicable

POWER LIFT

Maximum lifting force

at the hitch points

19,89 kN

at the frame

9,12 kN

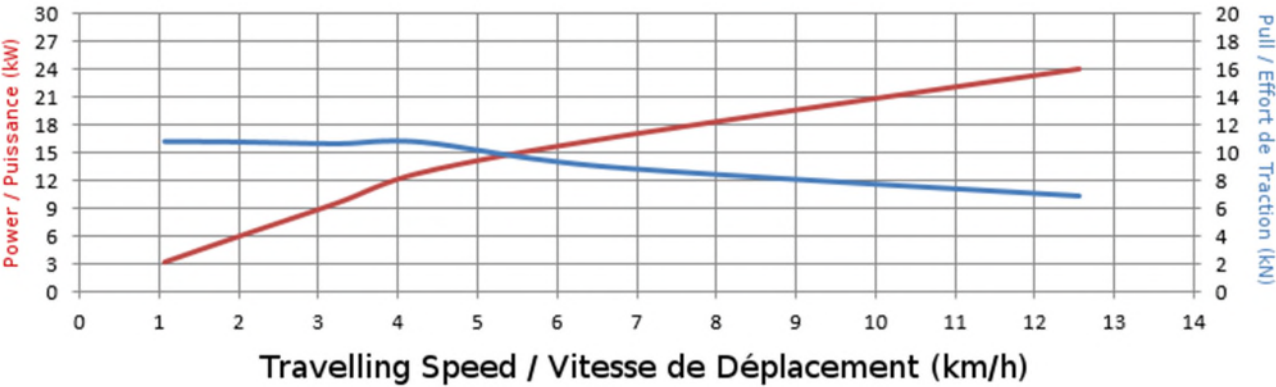


DRAWBAR TEST

Front tyres, Rear tyres	250/80 - 18	250/80 - 18
Inflation pressure	310 kPa	310 kPa

UNBALLASTED

Total Mass	1380 kg
Maximum drawbar pull	10,83 kN
at speed of	1,08 km/h
Maximum power	24,09 kW
at speed of	12,57 km/h



BALLASTED

Not Applicable