

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/3 011
OECD Approval Date	12/12/2016
Make	Deutz-Fahr
Model	9340 Agroton TTV
Type	4 WD
Transmission	Continuously hydrostatic-mechanical with power split
Speed	60 km/h
Manufacturer	Same Deutz-Fahr Deutschland GmbH
Testing Station	DLG e.V. – Germany



SPECIFICATIONS

ENGINE

<i>Make</i>	DEUTZ
<i>Model</i>	TCD7.8 L6
<i>Type</i>	Direct injection
<i>Supercharging</i>	Yes
<i>Cylinders</i>	6
<i>Disposition</i>	in line
<i>Capacity</i>	7755 cm ³
<i>Cooling</i>	Liquid

TRANSMISSION

<i>Gear box</i>	continuously variable and power-split	
<i>Number of forward and reverse speeds</i>	-	-
<i>Speed at rated engine speed</i>	from 0	to 60 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>		1081 min ⁻¹
<i>Diameter of the shaft</i>	<i>Not</i>	45 mm
<i>Number of splines</i>	<i>available</i>	20

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	224,47 kW	1900 min ⁻¹	978 min ⁻¹
Hourly and specific consumption		62,84 l/h	234 g/kWh
Hourly and specific urea consumption		1,91 l/h	9,3 g/kWh

Test at maximum power at rated engine speed

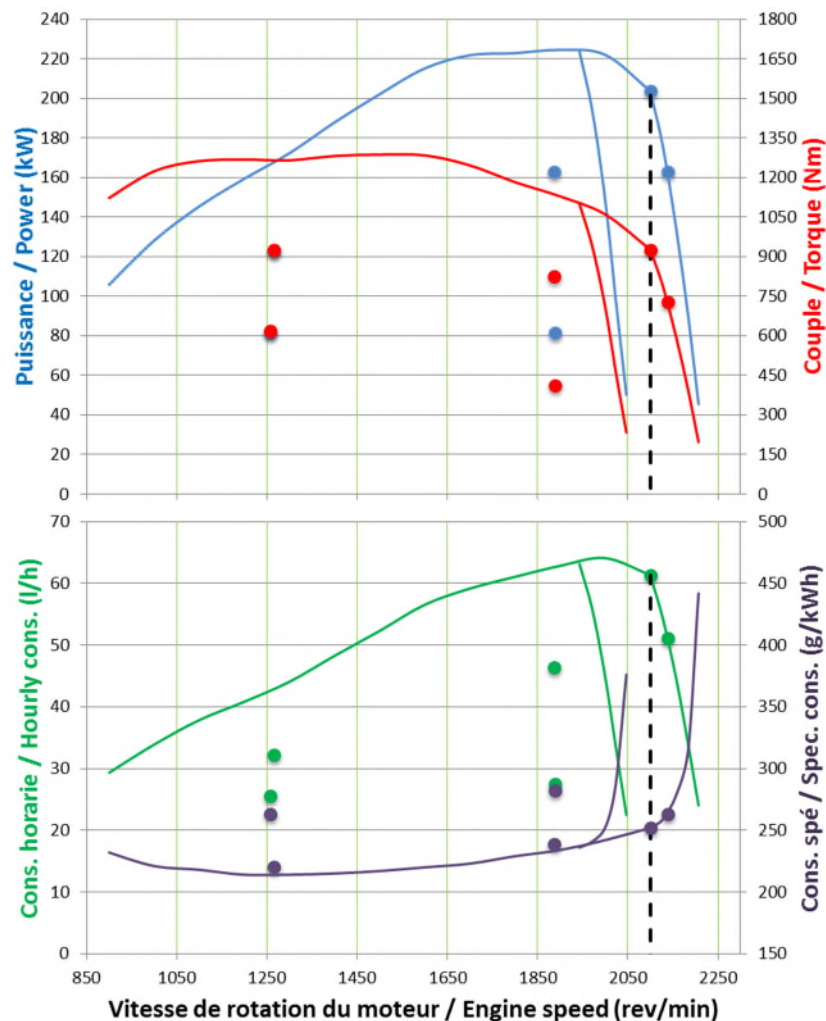
Power, Engine and Power take-off speed	203,71 kW	2100 min ⁻¹	1081 min ⁻¹
Hourly and specific consumption		61,36 l/h	252 g/kWh
Hourly and specific urea consumption		1,48 l/h	7,9 g/kWh

Test at standard Power take-off speed

Power, Engine and Power take-off speed	223,7 kW	1943 min ⁻¹	1000 min ⁻¹
Hourly and specific consumption		63,2 l/h	236 g/kWh
Hourly and specific urea consumption		1,92 l/h	9,4 g/kWh

Torque rise

<u>Maximum torque, Engine speed corresponding</u>	1286,51 Nm	1500 min ⁻¹	38,9 %
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PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

Not applicable

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system

closed centre

Relief valve pressure setting (tolerance):

20,0 ± 0,5 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	135,8 l/min	16,3 MPa	36,9 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	199,5 l/min	19,4 MPa	64,4 kW

POWER LIFT

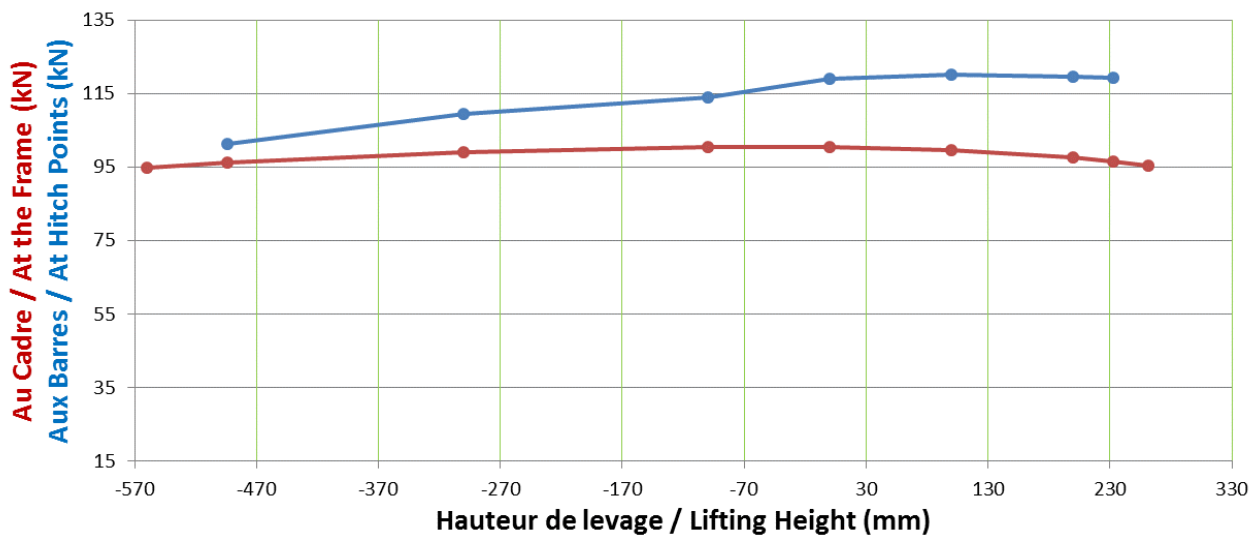
Maximum lifting force

at the hitch points

101,3 kN

at the frame

94,8 kN

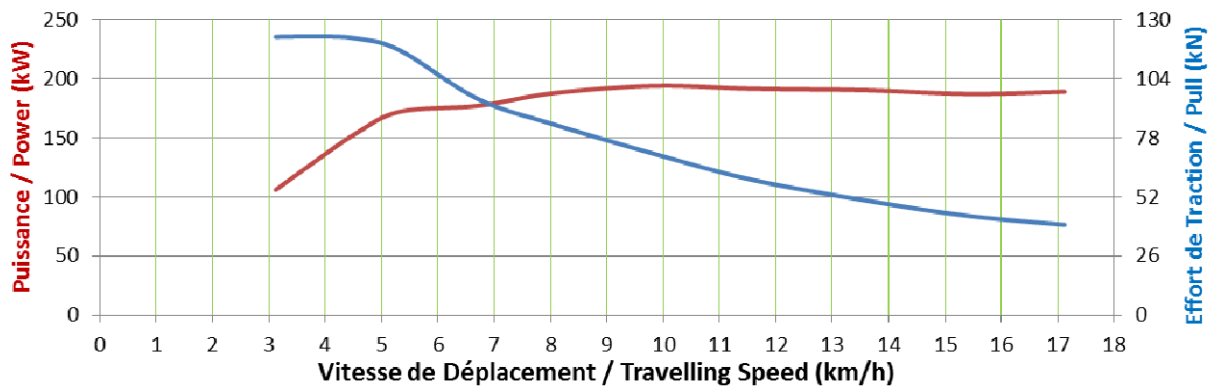


DRAWBAR TEST

Front tyres, Rear tyres	IF 650/65 R34	IF 710/75 R42
Inflation pressure	80 kPa	80 kPa

UNBALLASTED

Total Mass	13030 kg
Maximum drawbar pull at speed of	122,5 kN 3,88 km/h
Maximum power at speed of	193,8 kW 9,86 km/h



BALLASTED

Not applicable