

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/3 020
OECD Approval Date	02/02/2017
Make	Mahindra
Model	9500 4WD
Type	4 WD
Transmission	mechanical
Speed	34 km/h
Manufacturer	M/s. Mahindra & Mahindra Limited
Testing Station	BUDNI – India



SPECIFICATIONS

ENGINE

<i>Make</i>		Mahindra
<i>Model</i>		NE492TC
<i>Type</i>		Direct injection
<i>Supercharging</i>		Yes
<i>Cylinders</i>		4
<i>Disposition</i>		vertical, in-line
<i>Capacity</i>		3532 cm ³
<i>Cooling</i>		Liquid

TRANSMISSION

<i>Gear box</i>		mechanical
<i>Number of forward and reverse speeds</i>	12	12
<i>Speed at rated engine speed</i>	from 2,85	to 33,39 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>	568 min ⁻¹	
<i>Diameter of the shaft</i>	34.83 mm	<i>Not</i>
<i>Number of splines</i>	6	<i>available</i>

PTO TEST RESULTS

One hour test at maximum power

Power, Engine and Power take-off speed	52,8 kW	2183 min ⁻¹	539 min ⁻¹
Hourly and specific consumption		16,64 l/h	263 g/kWh
Hourly and specific urea consumption		-	-

Test at maximum power at rated engine speed

Power, Engine and Power take-off speed	52,4 kW	2300 min ⁻¹	568 min ⁻¹
Hourly and specific consumption		17,15 l/h	274 g/kWh
Hourly and specific urea consumption		-	-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	52,8 kW	2183 min ⁻¹	539 min ⁻¹
Hourly and specific consumption		16,64 l/h	263 g/kWh
Hourly and specific urea consumption		-	-

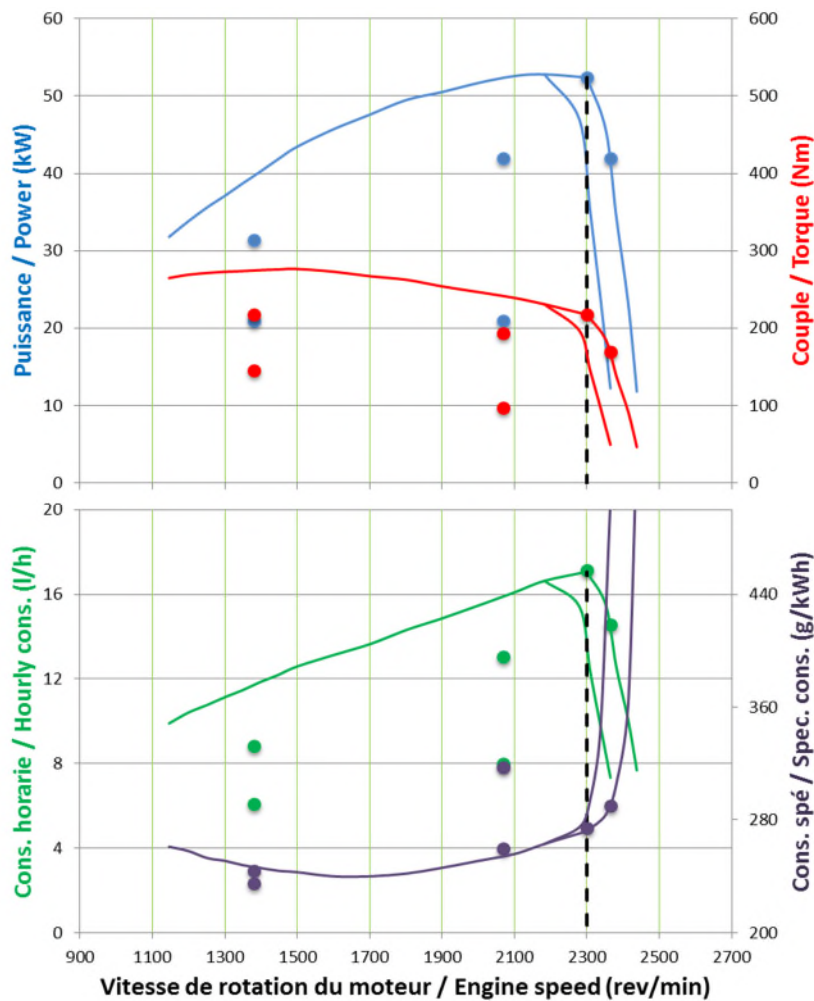
Torque rise

27,1 %

Maximum torque, Engine speed corresponding

276,4 Nm

1498 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): 19 ± 1 MPa

HYDRAULIC PERFORMANCES

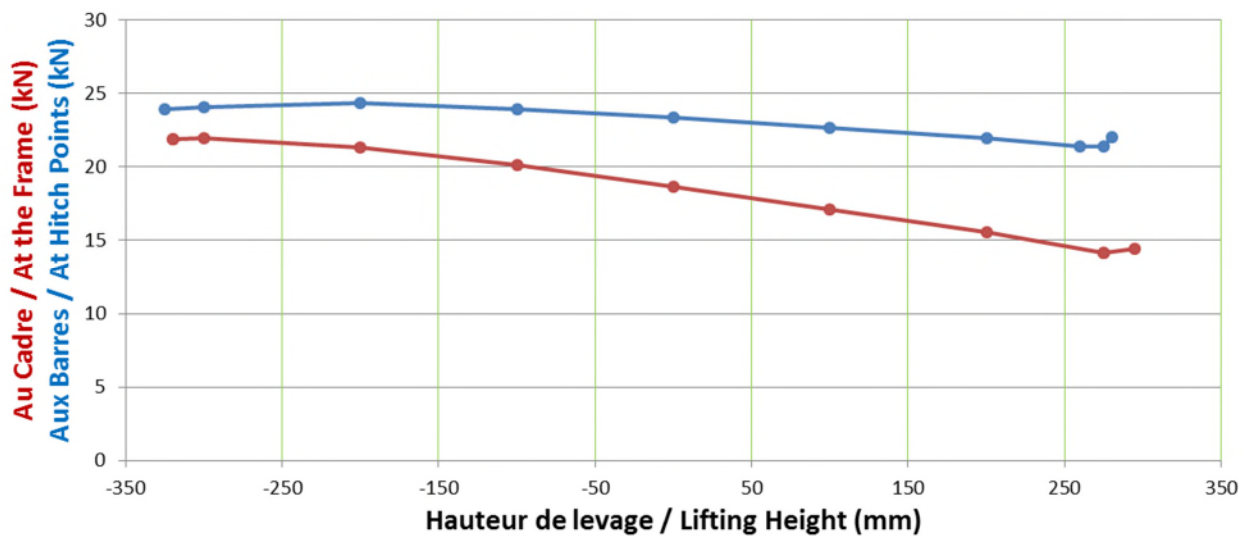
At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	34,43 l/min	15,0 MPa	8,6 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)	-	-	-

POWER LIFT

Maximum lifting force

<i>at the hitch points</i>	21,39 kN
<i>at the frame</i>	14,13 kN

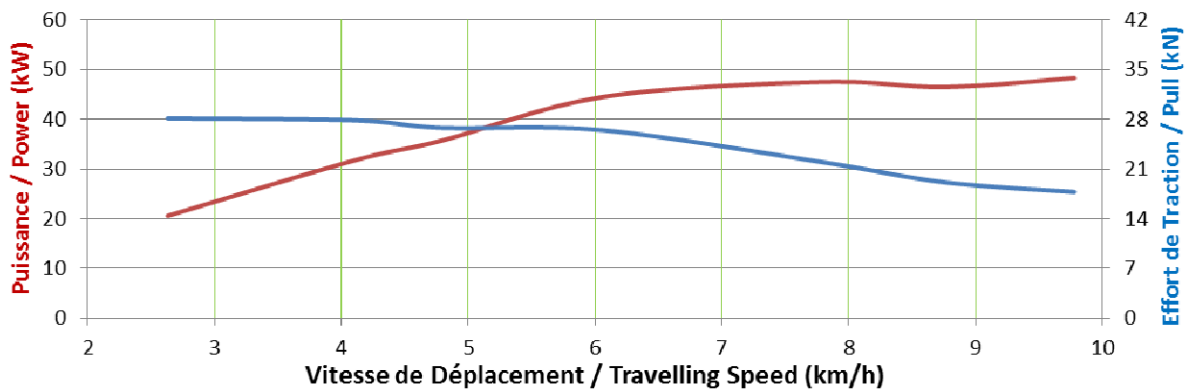


DRAWBAR TEST

Front tyres, Rear tyres	12.4 - 24	18.4 – 30
Inflation pressure	196 kPa	137 kPa

UNBALLASTED

Total Mass		3180 kg
Maximum drawbar pull at speed of		28,14 kN 2,63 km/h
Maximum power at speed of		48,3 kW 9,78 km/h



BALLASTED

Not applicable