

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 841
OECD Approval Date	04/08/2014
Make	International Tractors Limited
Model	SOLIS 45
Type	4 WD
Transmission	mechanical
Speed	30 km/h
Manufacturer	M/s. International Tractors Limited
Testing Station	BUDNI – India



PECIFICATIONS

ENGINE

<i>Make</i>	International Tractors Ltd.
<i>Model</i>	3102IL
<i>Type</i>	Direct injection
<i>Supercharging</i>	No
<i>Cylinders</i>	3
<i>Disposition</i>	vertical in line
<i>Capacity</i>	2893 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 1,72 to 29,94 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>	675 min ⁻¹	
<i>Diameter of the shaft</i>	34,73 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	29,5 kW	2100 min ⁻¹	675 min ⁻¹
Hourly and specific consumption		9,13 l/h	259 g/kWh
Hourly and specific urea consumption		-	-

Test at maximum power at rated engine speed

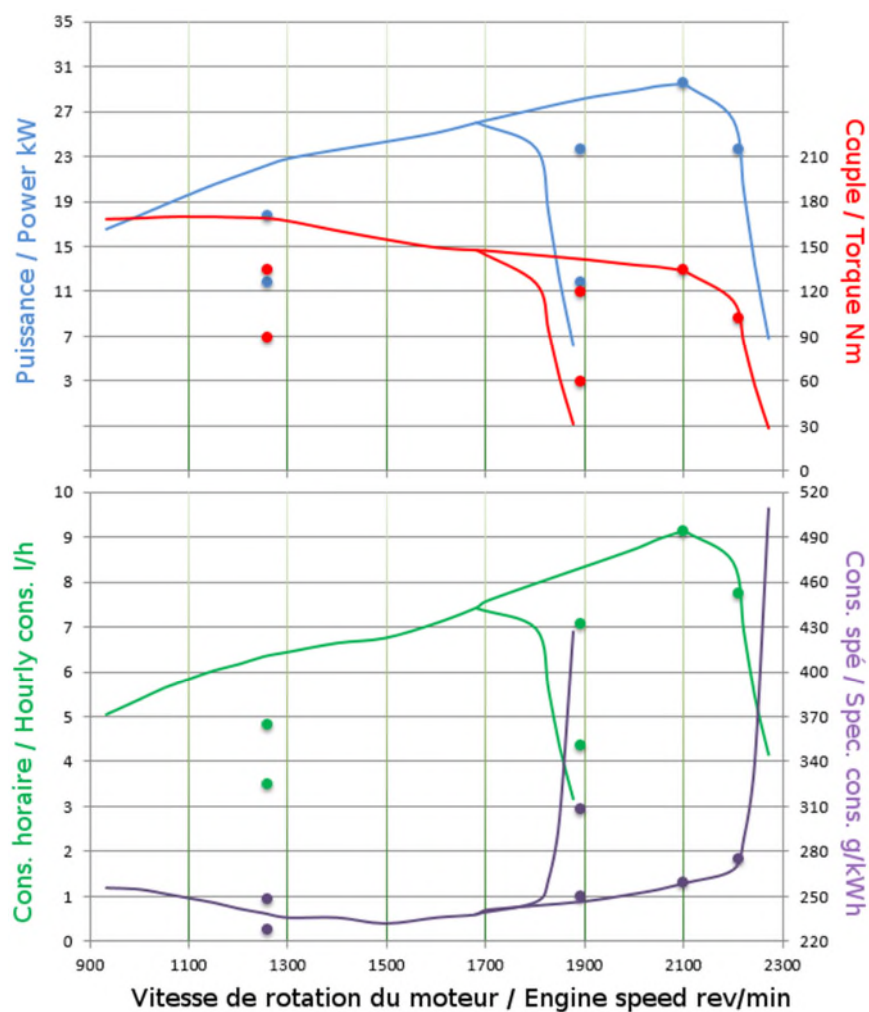
Power, Engine and Power take-off speed	29,5 kW	2100 min ⁻¹	675 min ⁻¹
Hourly and specific consumption		9,13 l/h	259 g/kWh
Hourly and specific urea consumption		-	-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	26,0 kW	1680 min ⁻¹	540 min ⁻¹
Hourly and specific consumption		7,42 l/h	238 g/kWh
Hourly and specific urea consumption		-	-

Torque rise

Maximum torque, Engine speed corresponding	170,02 Nm	1101 min ⁻¹
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PARTICULATE FILTER ACTIVE REGENERATION FUEL USE

Not Applicable

HYDRAULIC PERFORMANCE AND POWER LIFT TEST

Hydraulic system

Open centre

Relief valve pressure setting (tolerance):

17 ± 1 MPa

HYDRAULIC PERFORMANCES

At maximum hydraulic power

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

21,2 l/min

15,0 MPa

5,3 kW

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

Not

Applicable

POWER LIFT

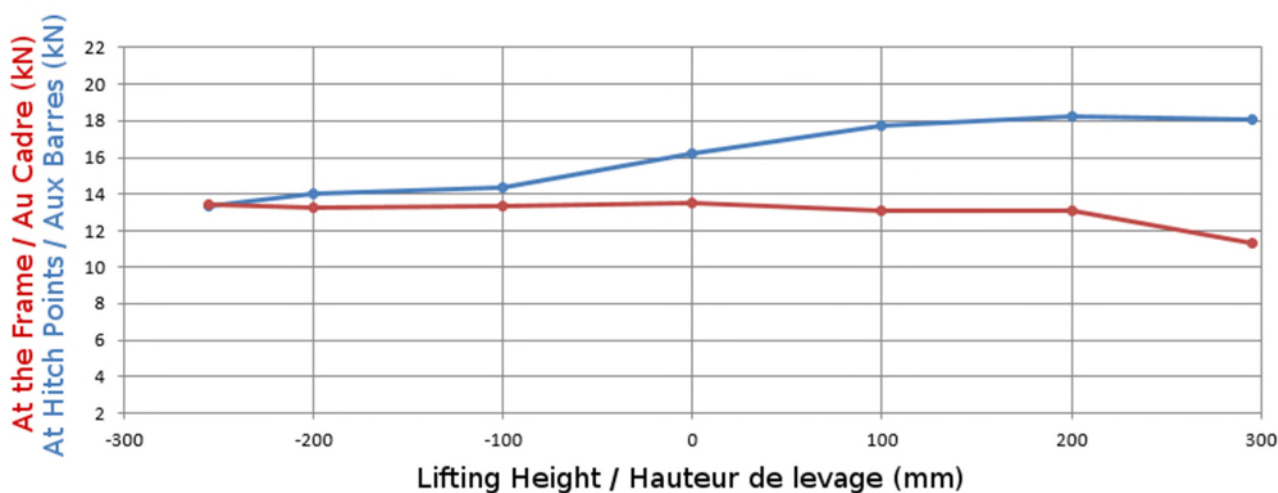
Maximum lifting force

at the hitch points

13,4 kN

at the frame

11,32 kN

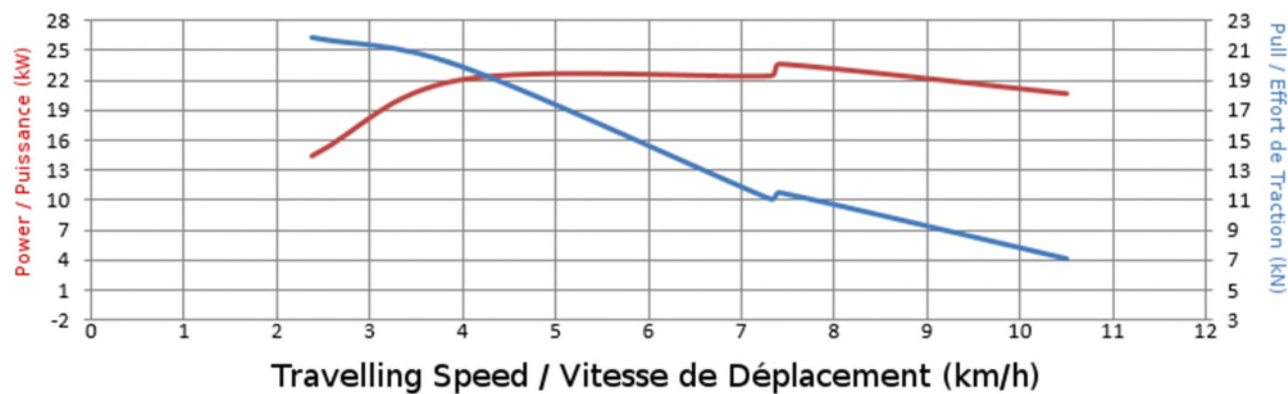


DRAWBAR TEST

Front tyres, Rear tyres	9.50 - 20	13.6 - 28
Inflation pressure	250 kPa	110 kPa

UNBALLASTED

Total Mass	2700 kg
Maximum drawbar pull	21,89 kN
at speed of	2,37 km/h
Maximum power	23,7 kW
at speed of	7,41 km/h



BALLASTED

Not applicable