

## OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

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<b>OECD Approval Number</b>	<b>2/2 942</b>
<b>OECD Approval Date</b>	<b>23/03/2016</b>
<b>Make</b>	<b>International Tractors Ltd.</b>
<b>Model</b>	<b>Sonalika 30</b>
<b>Type</b>	<b>4WD</b>
<b>Transmission</b>	<b>Mechanical</b>
<b>Speed</b>	<b>24 km/h</b>
<b>Manufacturer</b>	<b>M/s International Tractors Limited</b>
<b>Testing Station</b>	<b>BUDNI – India</b>



## SPECIFICATIONS

### ENGINE

<i>Make</i>	International Tractors Ltd.
<i>Model</i>	2105 DL
<i>Type</i>	direct injection
<i>Supercharging</i>	No
<i>Cylinders</i>	2
<i>Disposition</i>	vertical in line
<i>Capacity</i>	2044 cm <sup>3</sup>
<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 1,54 to 21,06 km/h

### POWER TAKE-OFF SPECIFICATIONS

<i>Standard Power take-off speed</i>	<u>540 min<sup>-1</sup></u>	<u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>	715 min <sup>-1</sup>	
<i>Diameter of the shaft</i>	34,84 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	17,6 kW	2101 min <sup>-1</sup>	715 min <sup>-1</sup>
Hourly and specific consumption		5,76 l/h	273 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

### Test at maximum power at rated engine speed

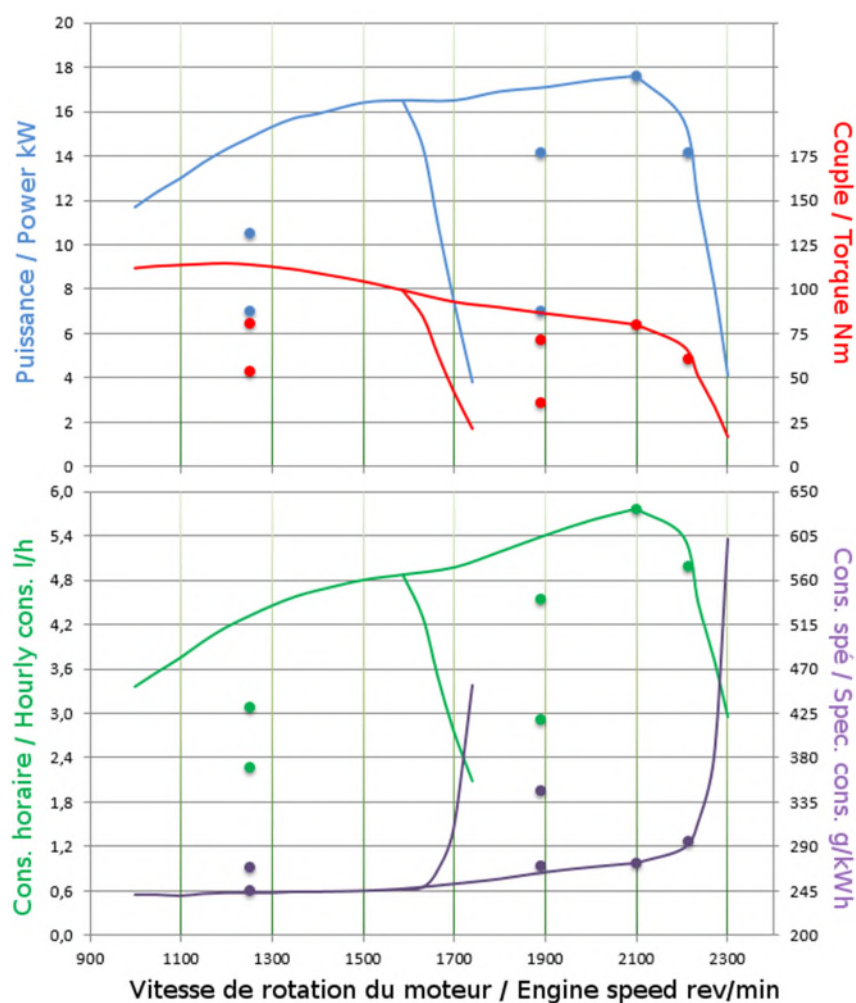
Power, Engine and Power take-off speed	17,6 kW	2101 min <sup>-1</sup>	715 min <sup>-1</sup>
Hourly and specific consumption		5,76 l/h	273 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

### Test at standard Power take-off speed

Power, Engine and Power take-off speed	16,5 kW	1587 min <sup>-1</sup>	540 min <sup>-1</sup>
Hourly and specific consumption		4,87 l/h	247 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

### Torque rise

Maximum torque, Engine speed corresponding	114,3 Nm	1199 min <sup>-1</sup>	43,2 %
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 PARTICULATE FILTER ACTIVE REGENERATION FUEL USE
 

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*Not Applicable*

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 HYDRAULIC PERFORMANCE AND POWER LIFT TEST
 

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Hydraulic system

Open centre

Relief valve pressure setting (tolerance):

18 ± 1 MPa

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 HYDRAULIC PERFORMANCES
 

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At maximum hydraulic power

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

19,2 l/min

16,0 MPa

5,1 kW

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

Not

Applicable

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 POWER LIFT
 

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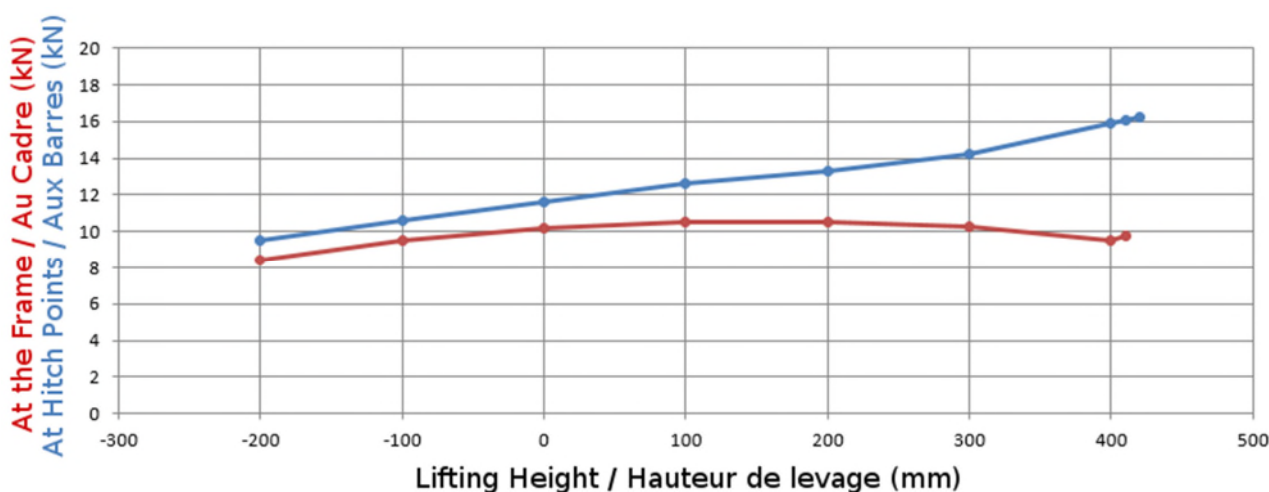
Maximum lifting force

at the hitch points

9,51 kN

at the frame

8,42 kN

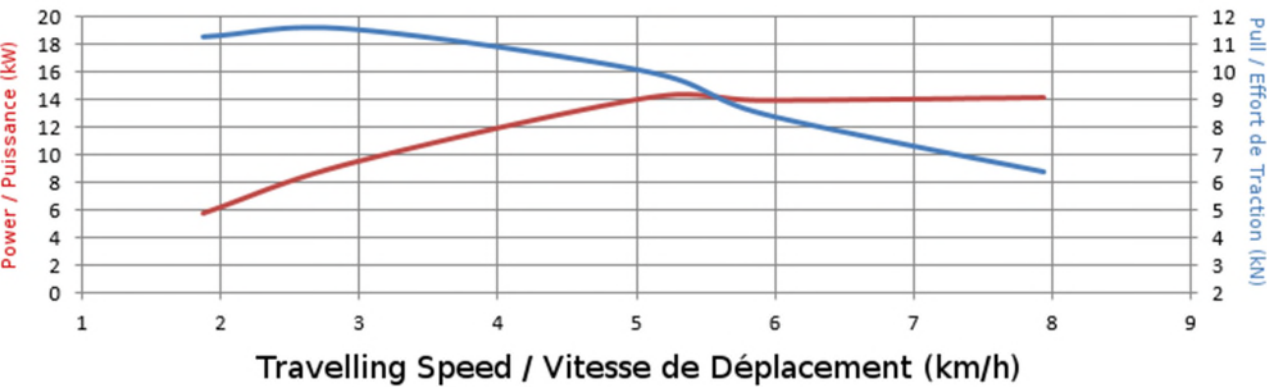


DRAWBAR TEST

Front tyres, Rear tyres	6.5/80 – 12	9.5 – 24
Inflation pressure	250 kPa	110 kPa

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Total Mass	1430 kg
Maximum drawbar pull	11,53 kN
at speed of	2,94 km/h
Maximum power	14,1 kW
at speed of	5,09 km/h



BALLASTED

Not Applicable