

## OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

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<b>OECD Approval Number</b>	<b>2/2 911</b>
<b>OECD Approval Date</b>	<b>02/11/2015</b>
<b>Make</b>	<b>International Tractors Ltd.</b>
<b>Model</b>	<b>Sonalika 26</b>
<b>Type</b>	<b>4WD</b>
<b>Transmission</b>	<b>Mechanical</b>
<b>Speed</b>	<b>16 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>	Mitsubishi Heavy Industries - VST Diesel Engines	
<i>Model</i>	Pvt. Ltd.	
<i>Type</i>	MVS3L2-JC	
<i>Supercharging</i>	Indirect injection	
<i>Cylinders</i>	No	
<i>Disposition</i>	3	
<i>Capacity</i>	vertical in line	
<i>Cooling</i>	1318 cm <sup>3</sup>	
	Liquid	

### TRANSMISSION

<i>Gear box</i>	Mechanical	
<i>Number of forward and reverse speeds</i>	6	2
<i>Speed at rated engine speed</i>	from 1,46	to 16,28 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>	701 min <sup>-1</sup>	
<i>Diameter of the shaft</i>	34,80 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	13,6 kW	2700 min <sup>-1</sup>	701 min <sup>-1</sup>
Hourly and specific consumption		5,45 l/h	345 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

### Test at maximum power at rated engine speed

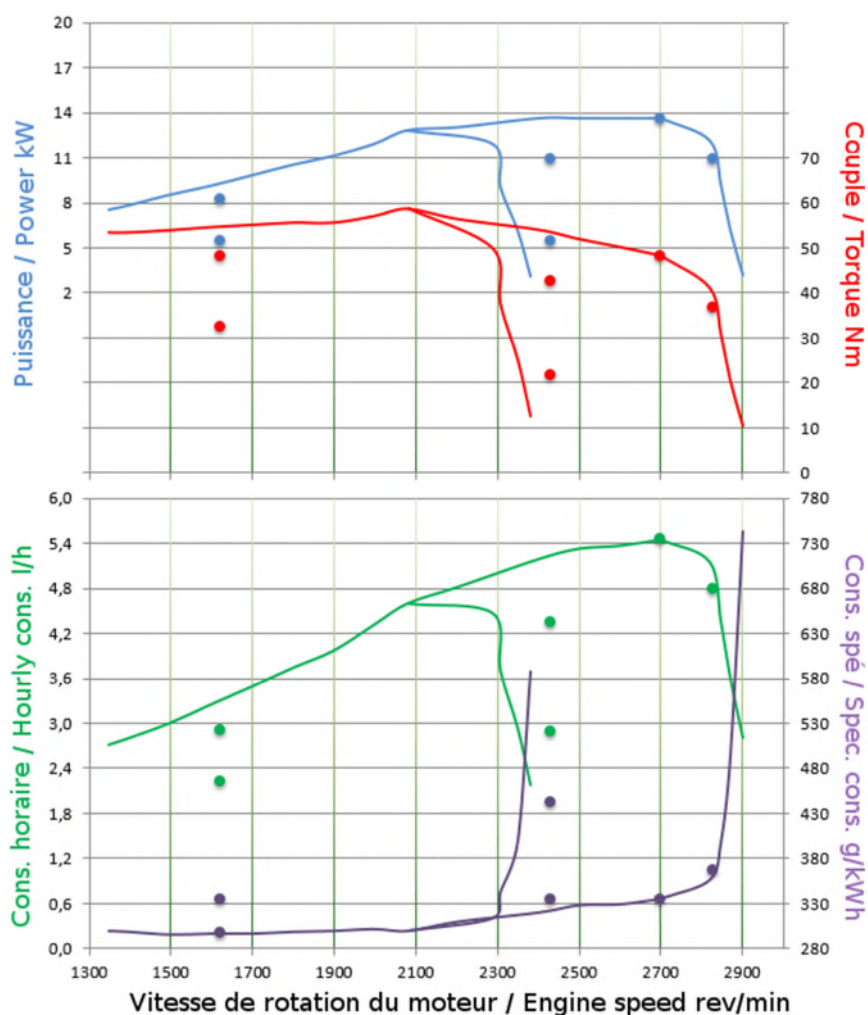
Power, Engine and Power take-off speed	13,6 kW	2700 min <sup>-1</sup>	701 min <sup>-1</sup>
Hourly and specific consumption		5,45 l/h	345 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

### Test at standard Power take-off speed

Power, Engine and Power take-off speed	12,8 kW	2080 min <sup>-1</sup>	540 min <sup>-1</sup>
Hourly and specific consumption		4,60 l/h	300 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

### Torque rise

Maximum torque, Engine speed corresponding	58,7 Nm	2080 min <sup>-1</sup>	21,8 %
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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):

17 ± 1 MPa

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 HYDRAULIC PERFORMANCES
 

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At maximum hydraulic power

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

13,7 l/min

16,0 MPa

3,7 kW

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

Not

Applicable

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 POWER LIFT
 

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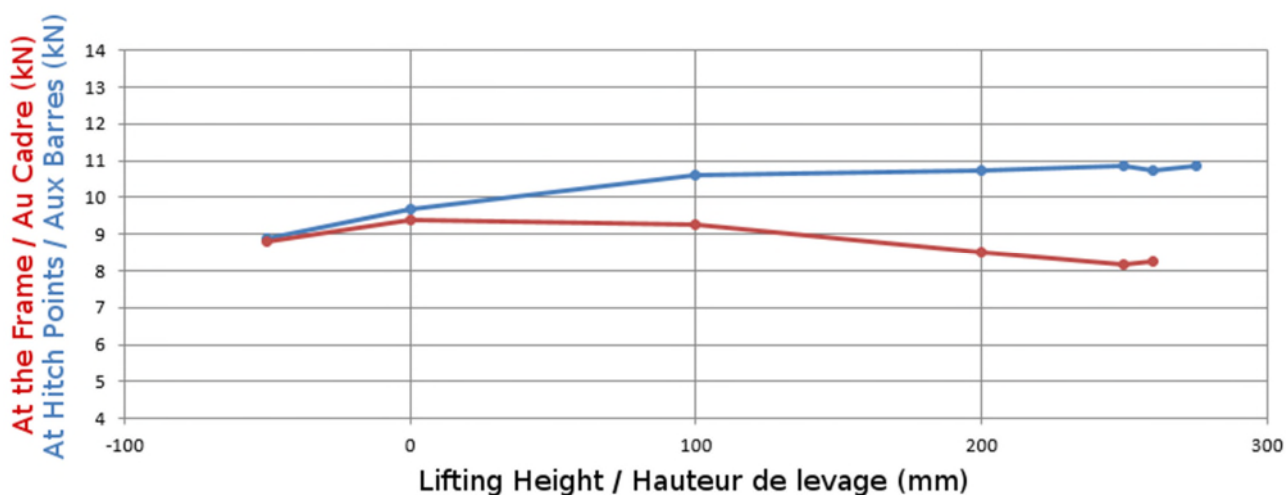
Maximum lifting force

at the hitch points

8,87 kN

at the frame

8,18 kN

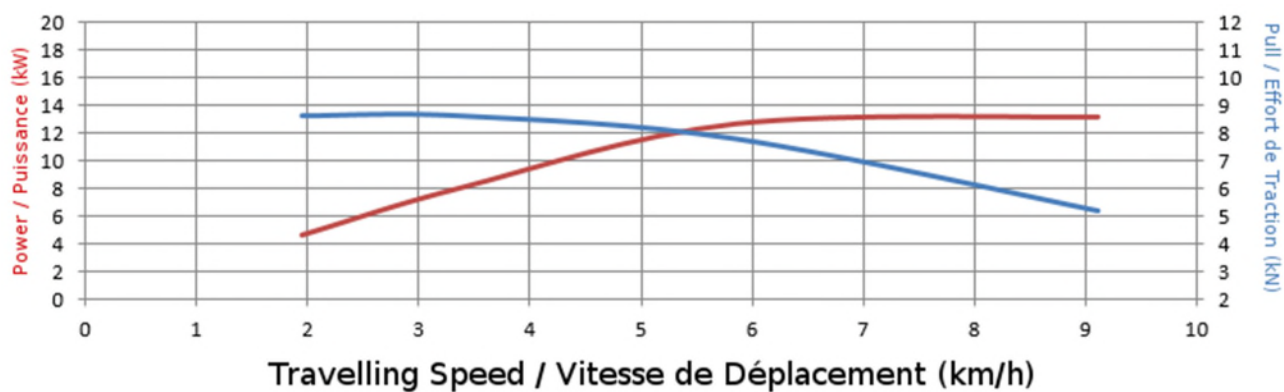


## DRAWBAR TEST

Front tyres, Rear tyres	6.0 - 12	8.3 - 20
Inflation pressure	120 kPa	85 kPa

### UNBALLASTED

Total Mass	930 kg
Maximum drawbar pull	8,65 kN
at speed of	1,95 km/h
Maximum power	13,2 kW
at speed of	9,11 km/h



### BALLASTED

*Not Applicable*