

## OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

---

<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>
Transmission	Mechanical
Speed	16 km/h
Manufacturer	M/s International Tractors Limited
Testing Station	BUDNI – India



---



---

## 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	<i>Not</i>
<i>Number of splines</i>	6	<i>Applicable</i>

## 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

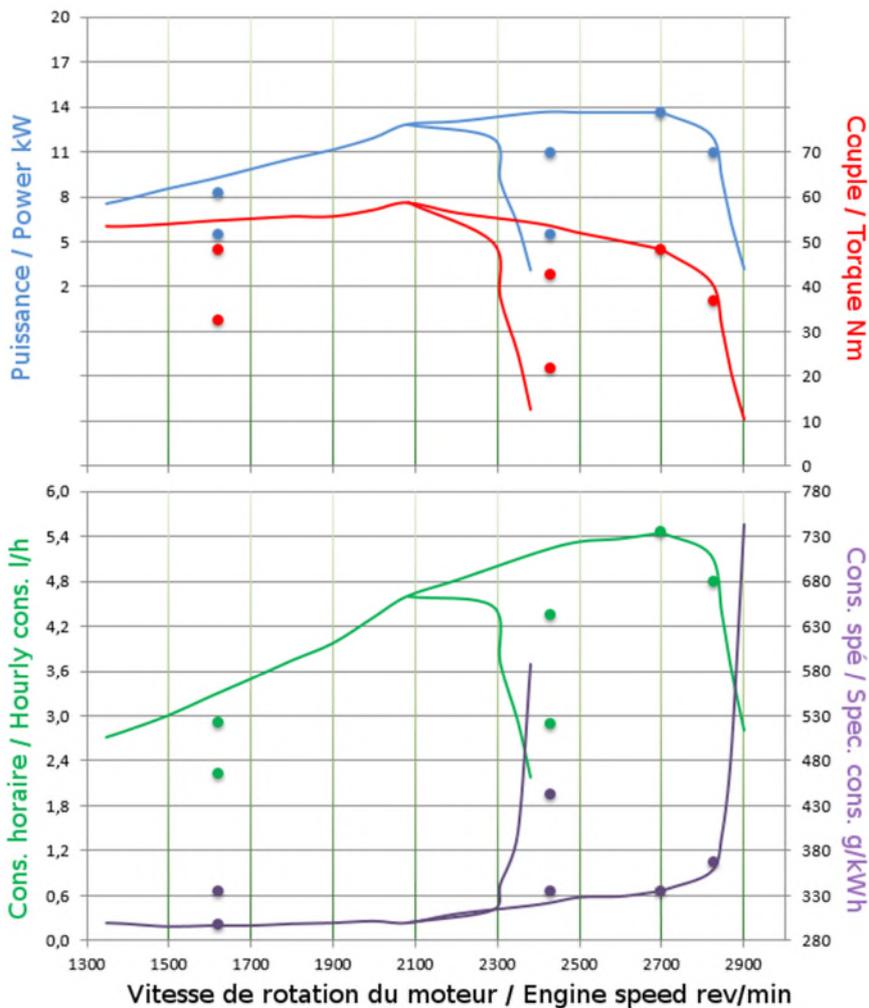
Power, Engine and Power take-off speed	13,6 kW	2700 min <sup>-1</sup>	701 min <sup>-1</sup>
Hourly and specific consumption		5,45 l/h	345 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

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

<u>Maximum torque, Engine speed corresponding</u>	58,7 Nm	2080 min <sup>-1</sup>
---------------------------------------------------	---------	------------------------



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

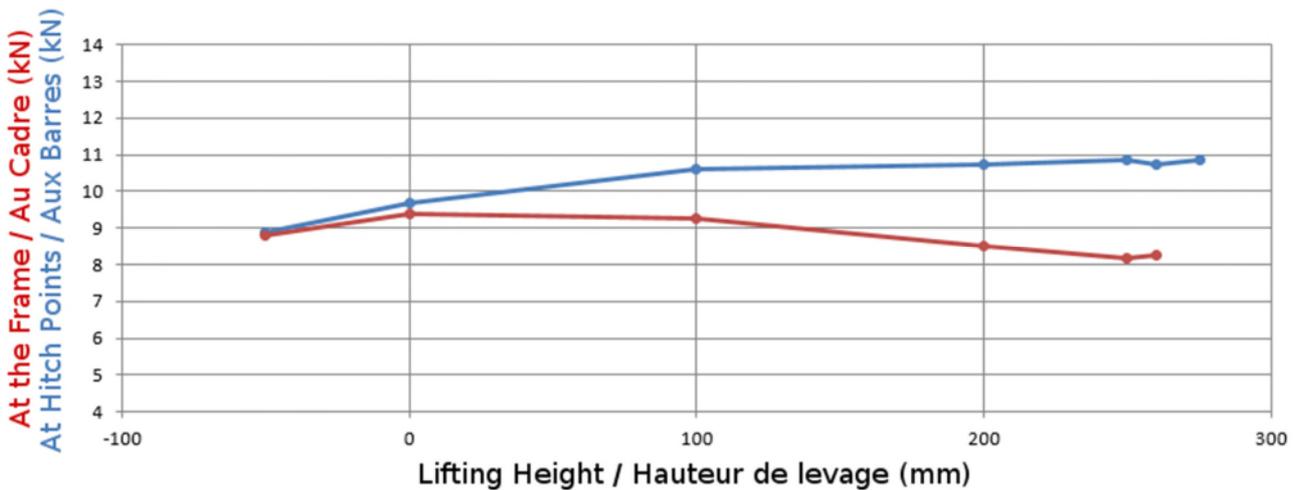
At maximum hydraulic power

Flow rate, Pressure, Power (couplers: 1 pair)	13,7 l/min	16,0 MPa	3,7 kW
Flow rate, Pressure, Power (couplers: 2 pairs or +)		<i>Not</i>	<i>Applicable</i>

POWER LIFT

Maximum lifting force

<i>at the hitch points</i>	8,87 kN
<i>at the frame</i>	8,18 kN



## DRAWBAR TEST

---

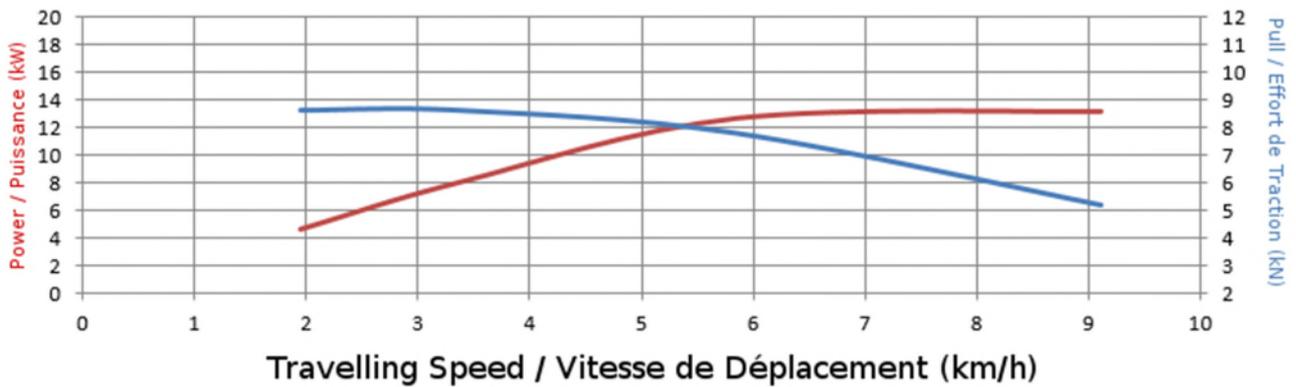
Front tyres, Rear tyres	6.0 - 12	8.3 - 20
Inflation pressure	120 kPa	85 kPa

---

### 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*