

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 890
OECD Approval Date	12/05/2015
Make	International Tractors Limited
Model	Sonalika International DI -750 III RX 4WD
Type	4 WD
Transmission	Mechanical
Speed	30 km/h
Manufacturer	M/s. International Tractors Limited
Testing Station	BUDNI – India



SPECIFICATIONS

ENGINE

<i>Make</i>	International Tractors Ltd.
<i>Model</i>	4100DL
<i>Type</i>	Direct injection
<i>Supercharging</i>	No
<i>Cylinders</i>	4
<i>Disposition</i>	vertical in line
<i>Capacity</i>	3707 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 2,67 to 31,38 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>	707 min ⁻¹	
<i>Diameter of the shaft</i>	34,8 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	35,2 kW	2050 min ⁻¹	659 min ⁻¹
Hourly and specific consumption		11,35 l/h	270 g/kWh
Hourly and specific urea consumption		-	-

Test at maximum power at rated engine speed

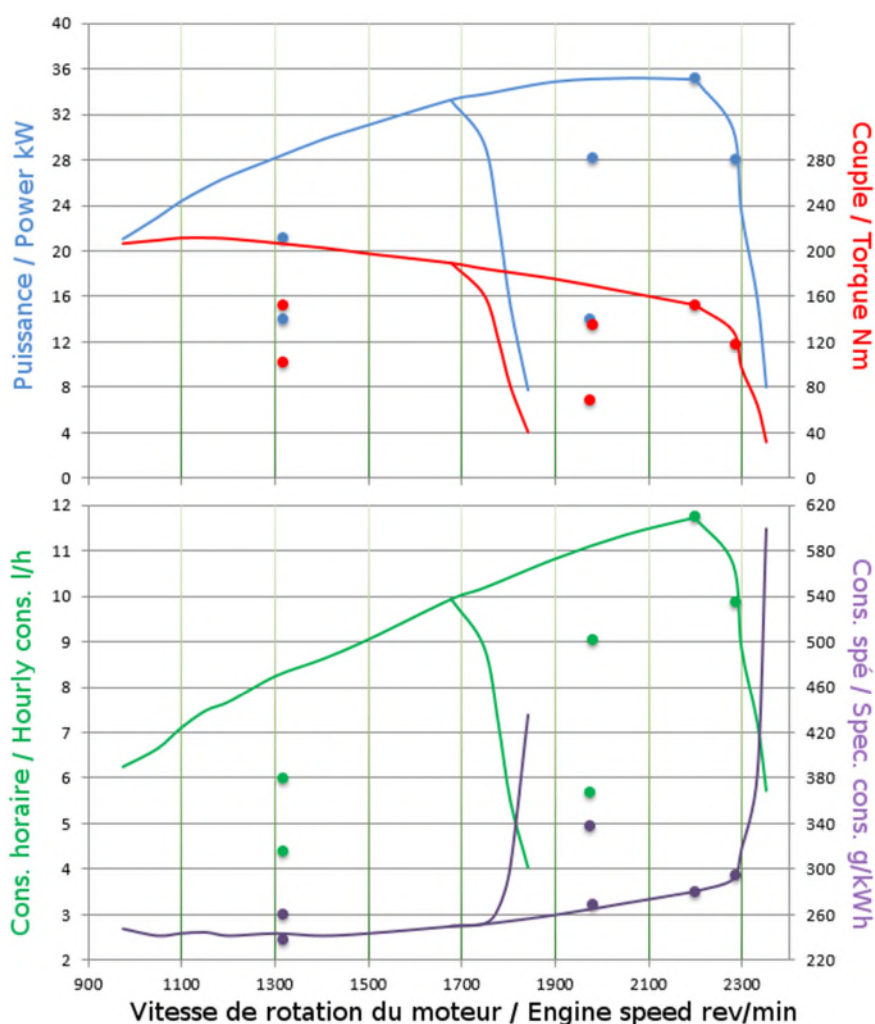
Power, Engine and Power take-off speed	35,1 kW	2199 min ⁻¹	707 min ⁻¹
Hourly and specific consumption		11,73 l/h	280 g/kWh
Hourly and specific urea consumption		-	-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	33,3 kW	1677 min ⁻¹	539 min ⁻¹
Hourly and specific consumption		9,94 l/h	250 g/kWh
Hourly and specific urea consumption		-	-

Torque rise

Maximum torque, Engine speed corresponding	212,0 Nm	1151 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):

19 ± 1 MPa

 HYDRAULIC PERFORMANCES

At maximum hydraulic power

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

25,7 l/min

16,0 MPa

6,9 kW

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

Not

Applicable

 POWER LIFT

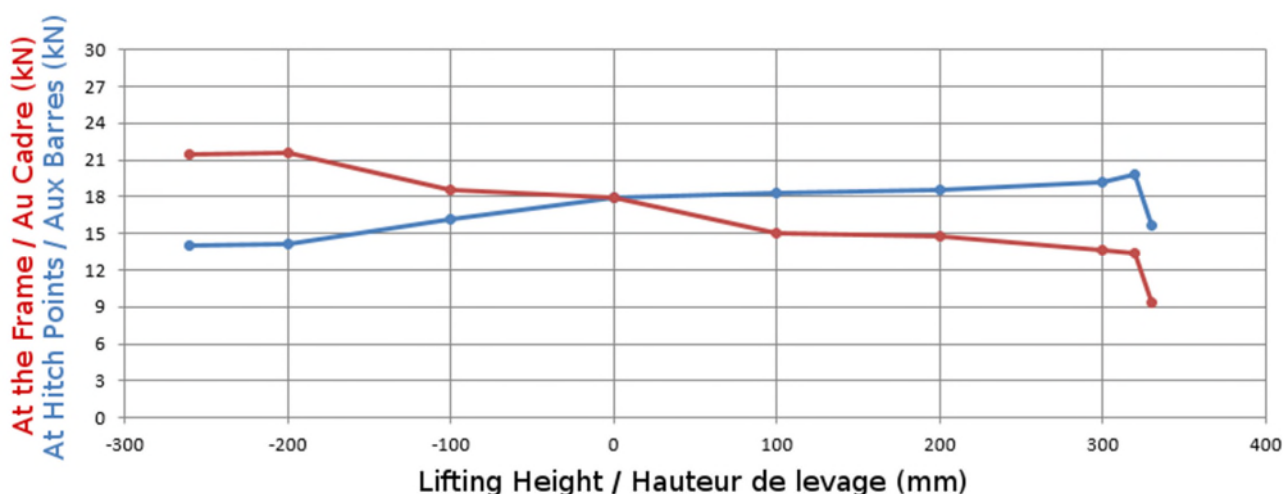
Maximum lifting force

at the hitch points

13,99 kN

at the frame

9,39 kN

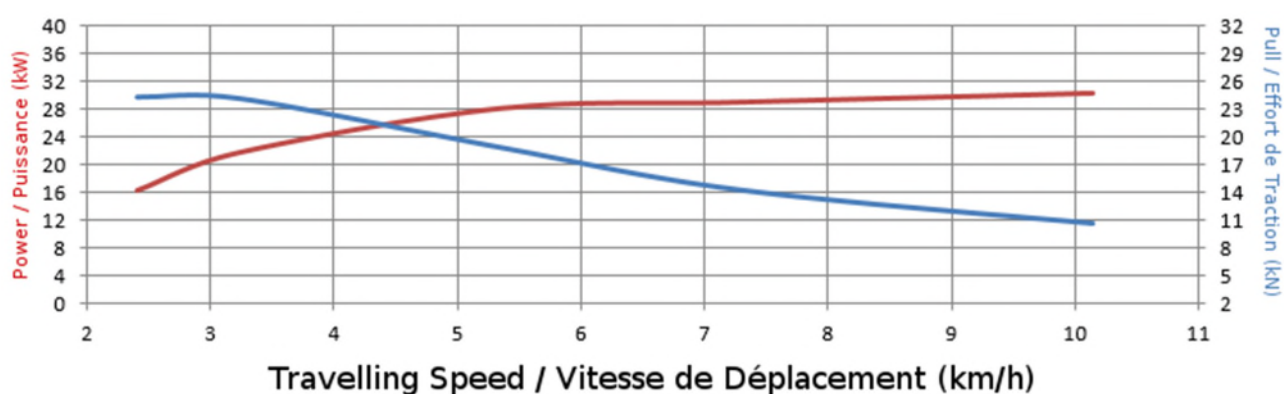


DRAWBAR TEST

Front tyres, Rear tyres	9.50 - 20	13.6 – 28
Inflation pressure	160 kPa	110 kPa

UNBALLASTED

Total Mass	2825 kg
Maximum drawbar pull	24,35 kN
at speed of	2,40 km/h
Maximum power	30,3 kW
at speed of	10,15 km/h



BALLASTED

Not applicable