

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 944
OECD Approval Date	11/04/2016
Make	International Tractors Ltd.
Model	Sonalika 75 N
Type	4WD
Transmission	Mechanical
Speed	36 km/h
Manufacturer	M/s International Tractors Limited
Testing Station	BUDNI – India



SPECIFICATIONS

ENGINE

<i>Make</i>	International Tractors Ltd.
<i>Model</i>	4100FLT
<i>Type</i>	direct injection
<i>Supercharging</i>	Yes
<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>	12
<i>Speed at rated engine speed</i>	from 0,50 to 31,05 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>	613 min ⁻¹	
<i>Diameter of the shaft</i>	34,74 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	45,3 kW	2199 min ⁻¹	613 min ⁻¹
Hourly and specific consumption		14,62 l/h	270 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

Test at maximum power at rated engine speed

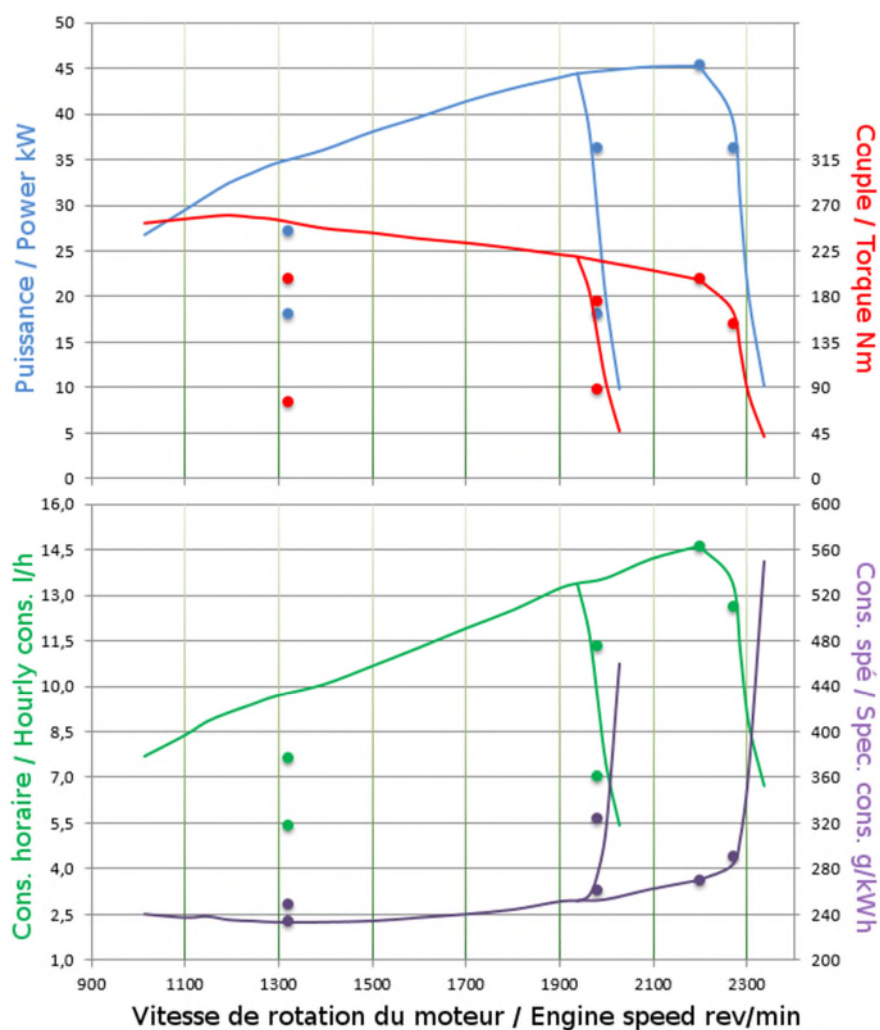
Power, Engine and Power take-off speed	45,3 kW	2199 min ⁻¹	613 min ⁻¹
Hourly and specific consumption		14,62 l/h	270 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	44,5 kW	1938 min ⁻¹	540 min ⁻¹
Hourly and specific consumption		13,39 l/h	252 g/kWh
Hourly and specific urea consumption		- l/h	- g/kWh-

Torque rise

Maximum torque, Engine speed corresponding		259,62 Nm	31,9 %
			1195 min ⁻¹



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)

47,7 l/min

18,0 MPa

14,3 kW

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

Not

Applicable

POWER LIFT

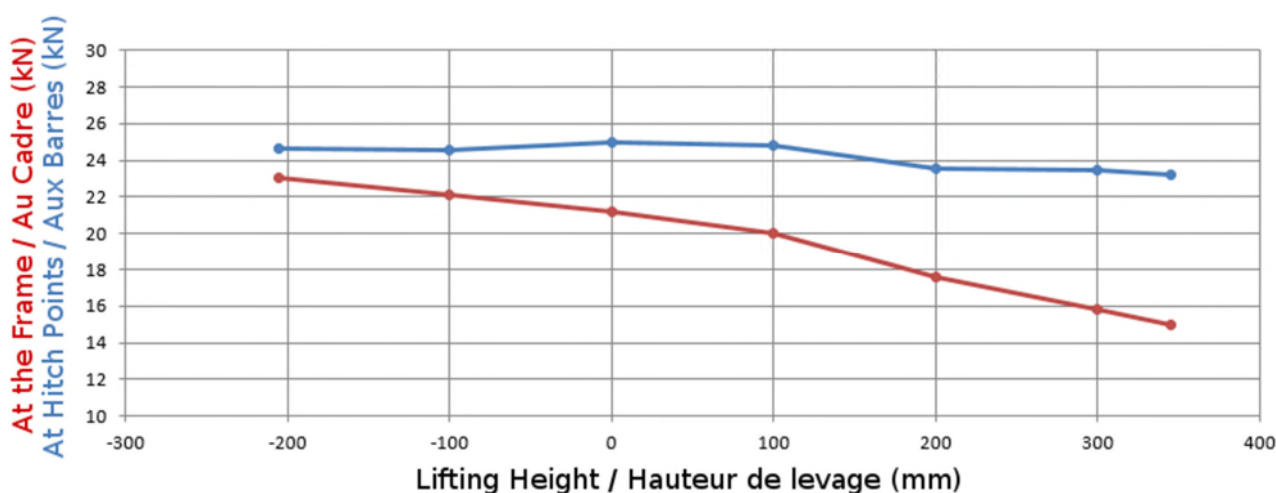
Maximum lifting force

at the hitch points

23,18 kN

at the frame

14,95 kN

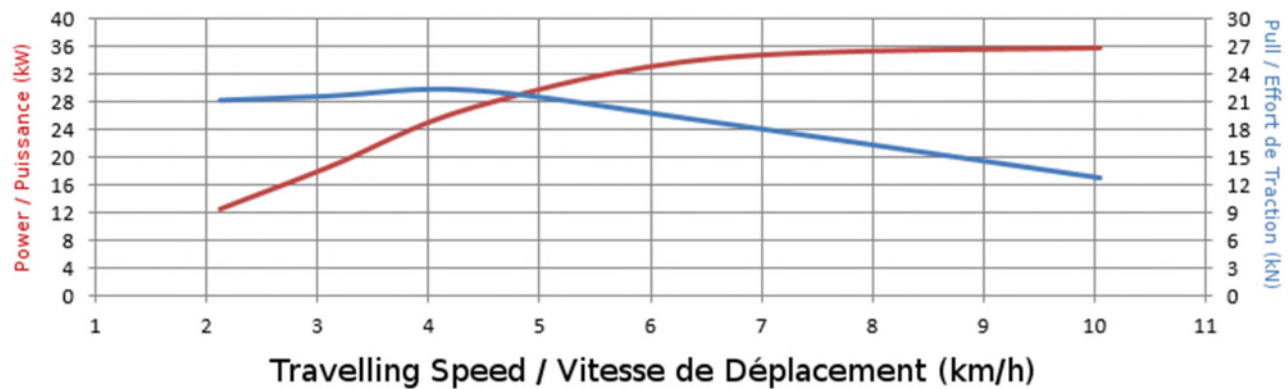


DRAWBAR TEST

Front tyres, Rear tyres	8-18	14.9 – 24
Inflation pressure	186 kPa	215 kPa

UNBALLASTED

Total Mass	2445 kg
Maximum drawbar pull	22,26 kN
at speed of	4,41 km/h
Maximum power	35,9 kW
at speed of	10,05 km/h



BALLASTED

Not Applicable