

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 842
OECD Approval Date	01/10/2014
Make	International Tractors Limited
Model	SOLIS 75 4WD
Type	4 WD
Transmission	mechanical
Speed	35 km/h
Manufacturer	M/s. International Tractors Limited
Testing Station	BUDNI – India



SPECIFICATIONS

ENGINE

<i>Make</i>	International Tractors Ltd.
<i>Model</i>	4100 FLT
<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>	8	2
<i>Speed at rated engine speed</i>	from 1,91	to 35,74 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	<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	41,5 kW	2199 min ⁻¹	707 min ⁻¹
Hourly and specific consumption		13,72 l/h	276 g/kWh
Hourly and specific urea consumption		-	-

Test at maximum power at rated engine speed

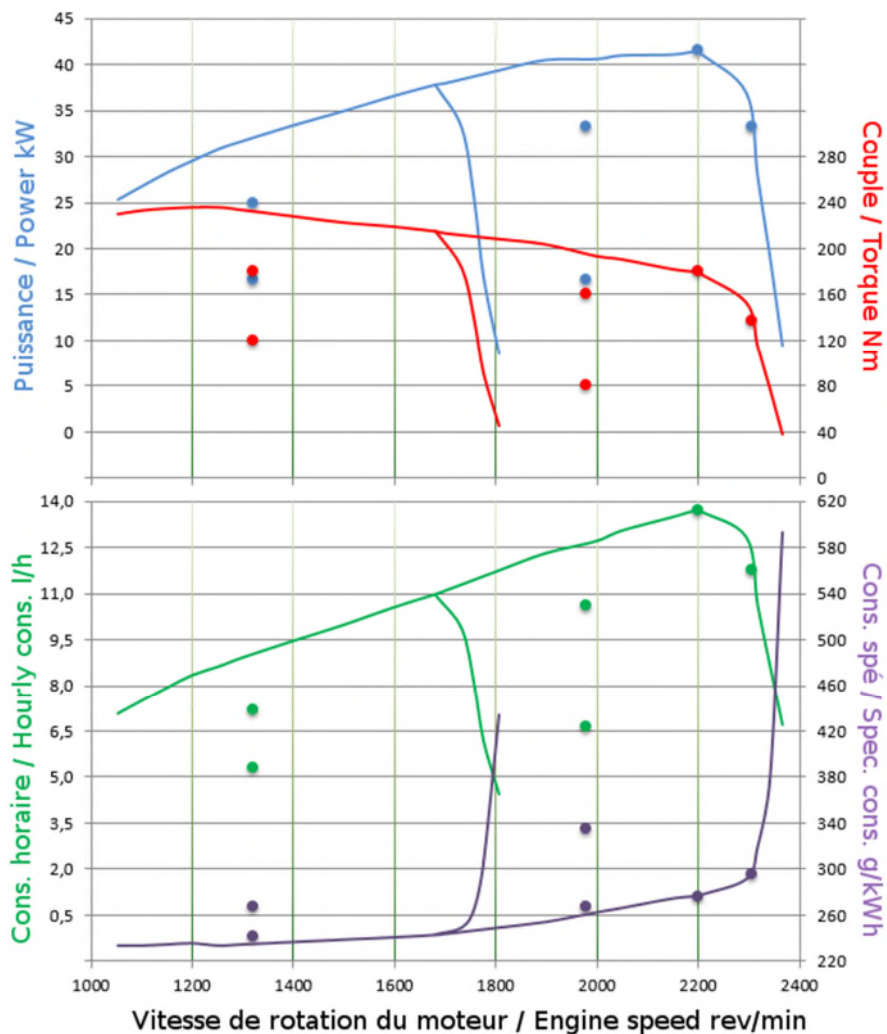
Power, Engine and Power take-off speed	41,5 kW	2199 min ⁻¹	707 min ⁻¹
Hourly and specific consumption		13,72 l/h	276 g/kWh
Hourly and specific urea consumption		-	-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	37,8 kW	1680 min ⁻¹	540 min ⁻¹
Hourly and specific consumption		10,97 l/h	243 g/kWh
Hourly and specific urea consumption		-	-

Torque rise

<u>Maximum torque, Engine speed corresponding</u>	235,4 Nm	1251 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)

27,0 l/min

15,0 MPa

6,8 kW

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

*Not**Applicable*

 POWER LIFT

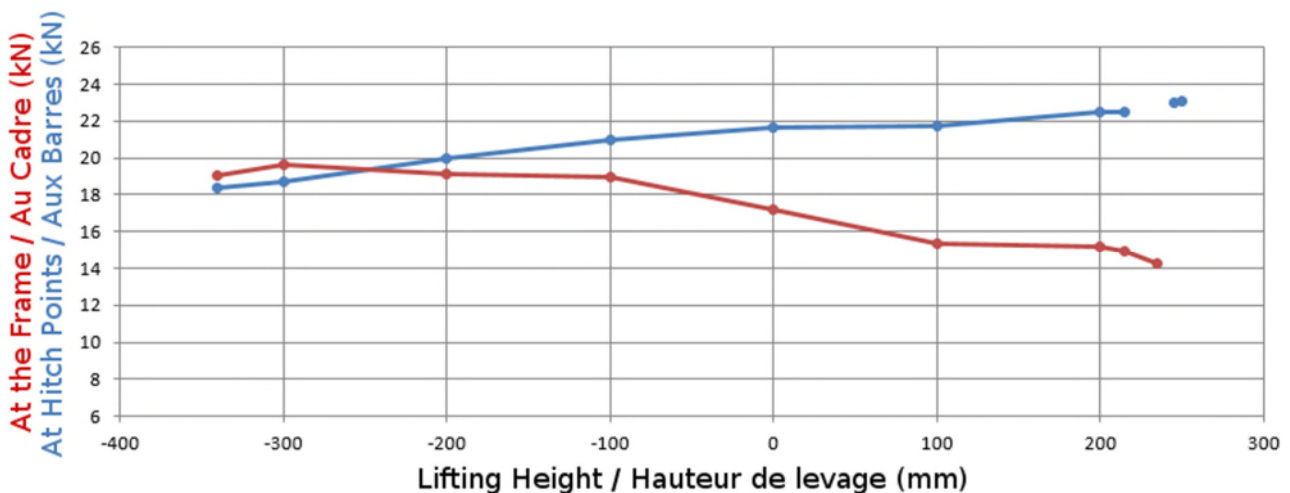
Maximum lifting force

at the hitch points

18,35 kN

at the frame

14,26 kN

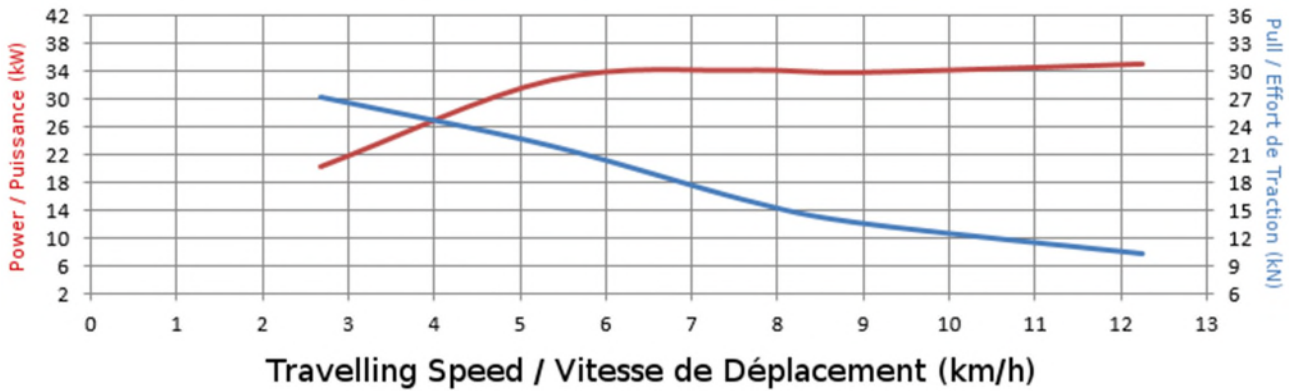


DRAWBAR TEST

Front tyres, Rear tyres	11.2 - 24	16.9 - 30
Inflation pressure	250 kPa	110 kPa

UNBALLASTED

Total Mass		3180 kg
Maximum drawbar pull		27,29 kN
at speed of		2,67 km/h
Maximum power		35,0 kW
at speed of		12,25 km/h



BALLASTED

Not applicable