

OECD ABSTRACT OF AGRICULTURAL AND FORESTRY TRACTOR PERFORMANCE TEST

OECD Approval Number	2/2 870
OECD Approval Date	02/02/2015
Make	International Tractors Limited
Model	SOLIS-20 4WD
Type	4 WD
Transmission	mechanical
Speed	14 km/h
Manufacturer	M/s. International Tractors Limited
Testing Station	BUDNI – India



SPECIFICATIONS

ENGINE

<i>Make</i>	MHI-VST Diesel Engines Pvt.Ltd.
<i>Model</i>	MVL3E
<i>Type</i>	Indirect injection
<i>Supercharging</i>	No
<i>Cylinders</i>	3
<i>Disposition</i>	vertical in line
<i>Capacity</i>	952 cm ³
<i>Cooling</i>	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 1,21 to 13,47 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>	628 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	10,4 kW	2700 min ⁻¹	628 min ⁻¹
Hourly and specific consumption		4,05 l/h	325 g/kWh
Hourly and specific urea consumption		-	-

Test at maximum power at rated engine speed

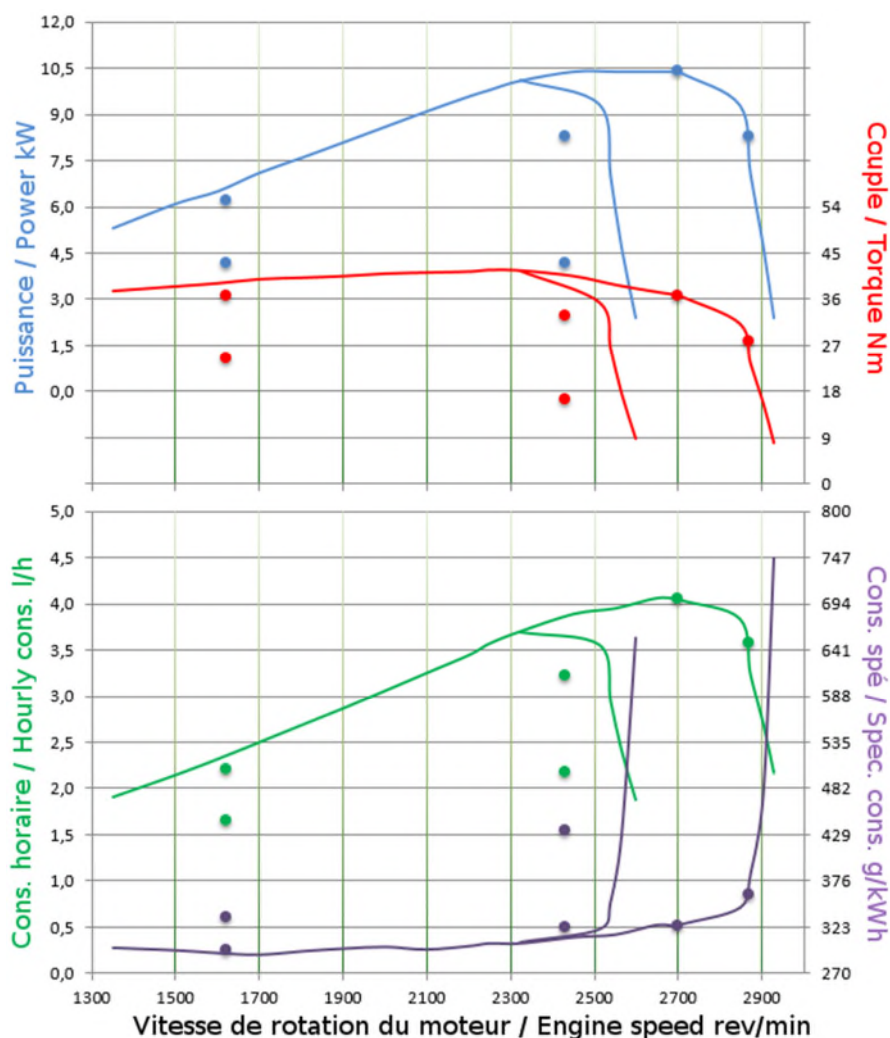
Power, Engine and Power take-off speed	10,4 kW	2700 min ⁻¹	628 min ⁻¹
Hourly and specific consumption		4,05 l/h	325 g/kWh
Hourly and specific urea consumption		-	-

Test at standard Power take-off speed

Power, Engine and Power take-off speed	10,1 kW	2322 min ⁻¹	540 min ⁻¹
Hourly and specific consumption		3,70 l/h	306 g/kWh
Hourly and specific urea consumption		-	-

Torque rise

Maximum torque, Engine speed corresponding	41,7 Nm	2249 min ⁻¹	13,3 %
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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):

18 ± 2 MPa

 HYDRAULIC PERFORMANCES

At maximum hydraulic power

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

13,0 l/min

19,0 MPa

4,1 kW

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

Not

Applicable

 POWER LIFT

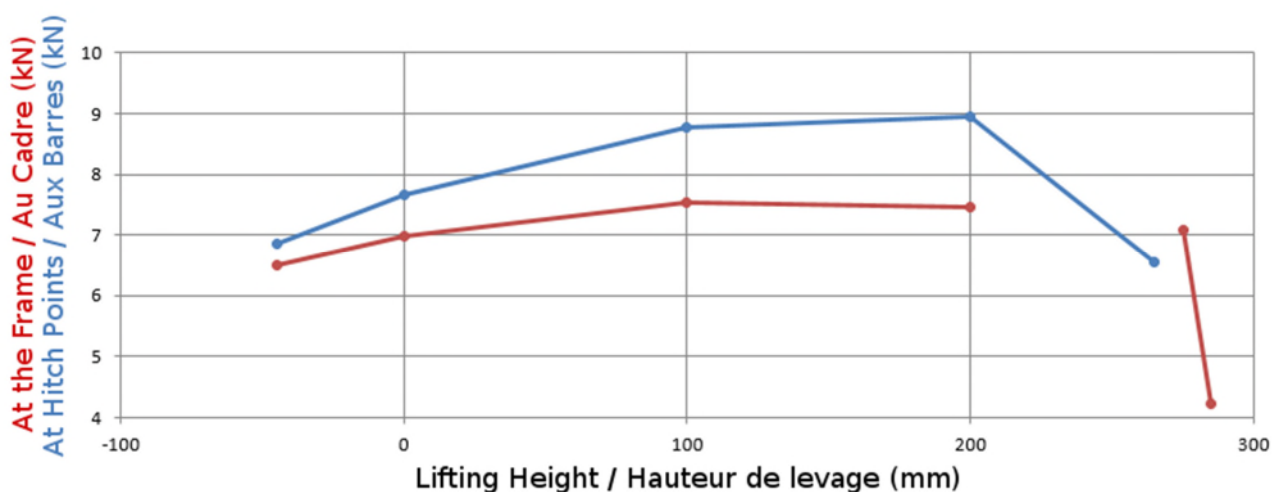
Maximum lifting force

at the hitch points

6,54 kN

at the frame

4,24 kN

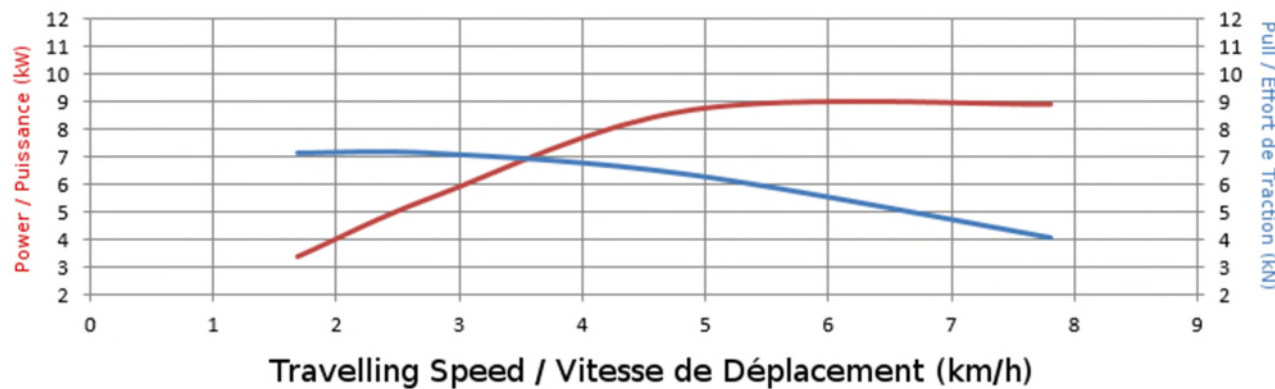


DRAWBAR TEST

Front tyres, Rear tyres	5.0 - 12	8.0 – 18
Inflation pressure	175 kPa	84 kPa

UNBALLASTED

Total Mass	830 kg
Maximum drawbar pull	7,15 kN
at speed of	1,69 km/h
Maximum power	8,9 kW
at speed of	7,81 km/h



BALLASTED

Not applicable