



OECD approval number

OECD approval date

Make

Model

Type

Manufacturer:

Testing station:

2/2 687

14/03/2012

International Tractors Limited

Sonalika International Worldtrac 75 RX

– 4WD

4 WD

Mechanical - 32 km/h

M/s International Tractors Limited

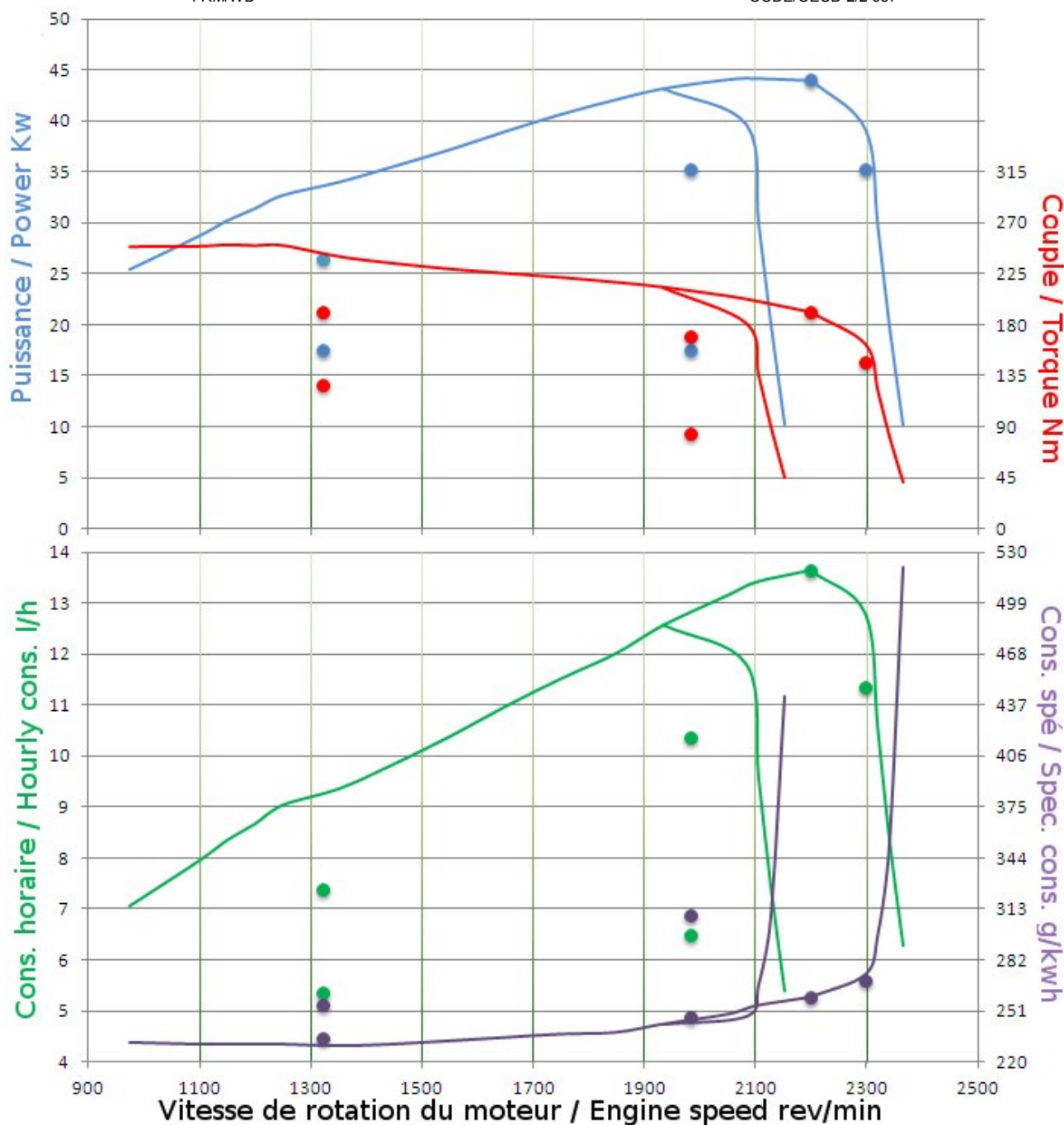
Central Farm Machinery Training and

Testing Institute, BUDNI, INDIA

International Tractors Limited Sonalika International Worldtrac 75 RX – 4WD

4 RM/WD

OCDE/OECD 2/2 687



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	International Tractors Limited	4100FLT
<i>Type, Supercharging</i>	Direct Injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	3707 cm ³	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	12	12
<i>Speed at rated engine speed</i>	from 1,52	to 31,33 km/h
<i>Standard Power take-off speed</i>	540 min ⁻¹	1000 min ⁻¹
<i>Power take-off speed at rated engine speed</i>	615 min ⁻¹	
<i>Diameter of the shaft</i>	34,8 mm	Not
<i>Number of splines</i>	6	Applicable

Power take-off Test

One hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	44,2 kW	2101 min ⁻¹	587 min ⁻¹
<i>Hourly and specific consumption</i>		13,41 l/h	254 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	44,0 kW	2198 min ⁻¹	614 min ⁻¹
<i>Hourly and specific consumption</i>		13,64 l/h	259 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	43,2 kW	1933 min ⁻¹	540 min ⁻¹
<i>Hourly and specific consumption</i>		12,56 l/h	243 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		250,7 Nm	1149 min ⁻¹
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Drawbar Test

<i>Front tyres, Rear tyres</i>	11.2-24	16.9-30
<i>Test with tractor</i>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3075 kg	
<i>Maximum drawbar pull</i>	27,33 kN	Not
<i>at speed of</i>	3,42 km/h	Applicable
<i>Maximum power</i>	37,5 kW	
<i>at speed of</i>	7,42 km/h	

Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Open centre
<i>At maximum hydraulic power</i>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	45,77 l/min	17,0 MPa	13,0 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>		Not	Applicable
<i>Maximum lifting force</i>			
<i>at the hitch points, at frame</i>		19,53 kN	13,63 kN