



OECD approval number

2/2 686

OECD approval date

14/03/2012

Make

International Tractors Limited

Model

Sonalika International Worldtrac - 90 RX

- 4WD

Type

4 WD

Mechanical - 33 km/h

Manufacturer:

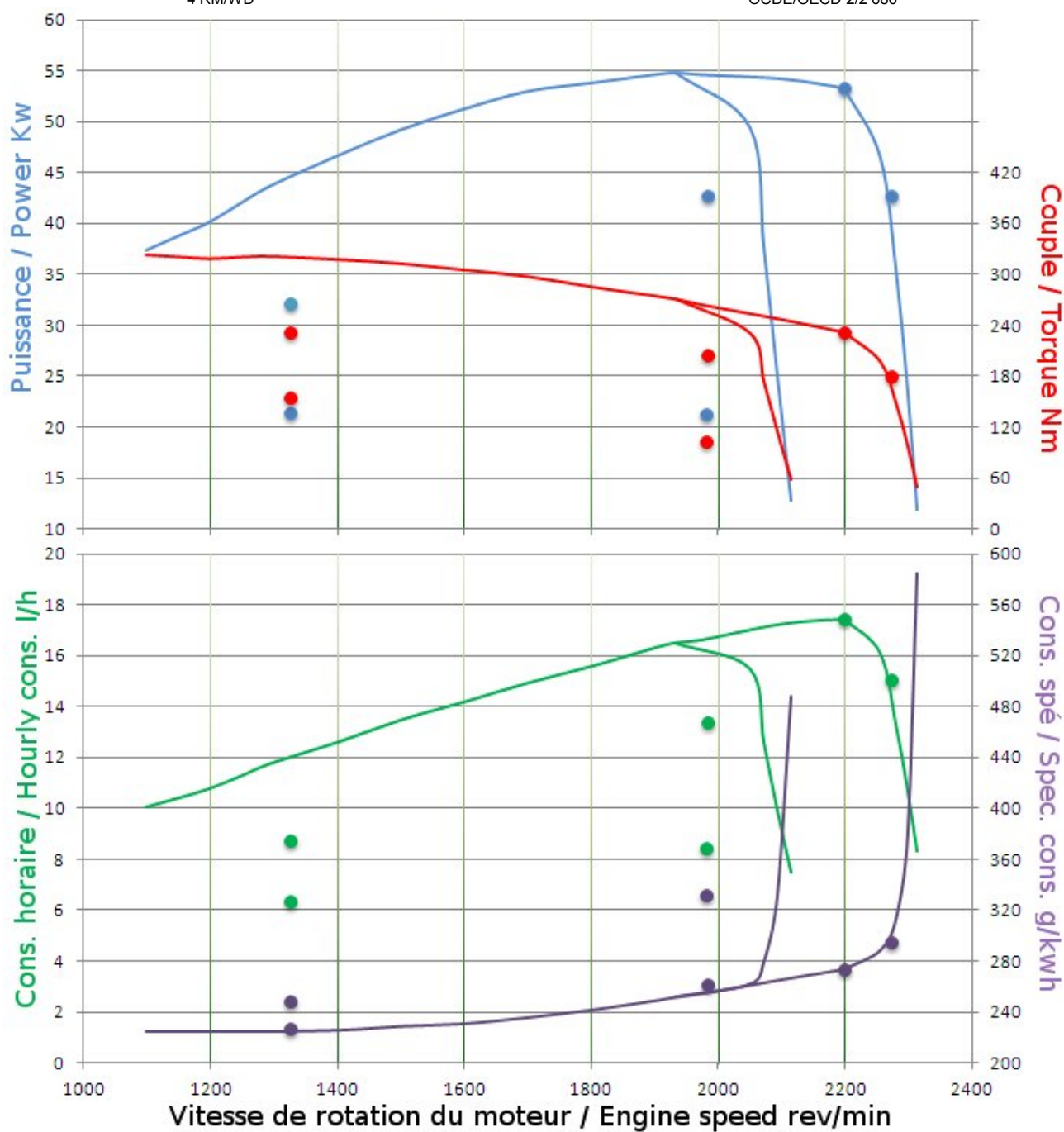
M/s International Tractors Limited

Testing station:

Central Farm Machinery Training and

Testing Institute, BUDNI, INDIA

International Tractors Limited Sonalika International Worldtrac - 90 RX – 4WD  
4 RM/WD OCDE/OECD 2/2 686



## Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	International Tractors Limited	4105FLT
<i>Type, Supercharging</i>	Direct Injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	4087 cm <sup>3</sup>	Liquid
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	12	12
<i>Speed at rated engine speed</i>	from 1,57	to 32,31 km/h
<i>Standard Power take-off speed</i>	540 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Power take-off speed at rated engine speed</i>	615 min <sup>-1</sup>	
<i>Diameter of the shaft</i>	34,8 mm	Not
<i>Number of splines</i>	6	Applicable

## Power take-off Test

<u>One hour test at maximum power</u>			
<i>Power, Engine and Power take-off speed</i>	54,8 kW	1933 min <sup>-1</sup>	540 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		16,51 l/h	252 g/kWh
<u>Test at maximum power at rated engine speed</u>			
<i>Power, Engine and Power take-off speed</i>	53,3 kW	2198 min <sup>-1</sup>	614 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		17,44 l/h	274 g/kWh
<u>Test at standard Power take-off speed</u>			
<i>Power, Engine and Power take-off speed</i>	54,8 kW	1933 min <sup>-1</sup>	540 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		16,51 l/h	252 g/kWh
<i>Torque rise</i>			39,9 %
<u>Maximum torque, Engine speed corresponding</u>		323,6 Nm	1099 min <sup>-1</sup>

## Drawbar Test

<i>Front tyres, Rear tyres</i>	12.4-24	18.4-30
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	3150 kg	
<i>Maximum drawbar pull</i>	27,88 kN	Not
<i>at speed of</i>	5,21 km/h	Applicable
<i>Maximum power</i>	45,7 kW	
<i>at speed of</i>	9,27 km/h	

## Hydraulic Performance and Power Lift Test

<i>Hydraulic system</i>			Open centre
<u>At maximum hydraulic power</u>			
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	41,70 l/min	16,0 MPa	11,1 kW
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>		Not	Applicable
<u>Maximum lifting force</u>			
<i>at the hitch points, at frame</i>		18,74 kN	14,14 kN