



OECD approval number

OECD approval date

Make

Model

Type

Manufacturer:

Testing station:

2/2 747

07/02/2013

International Tractors Limited

Sonalika International Worldtrac 75 RX

2WD

2WD

Mechanical - 32 km/h

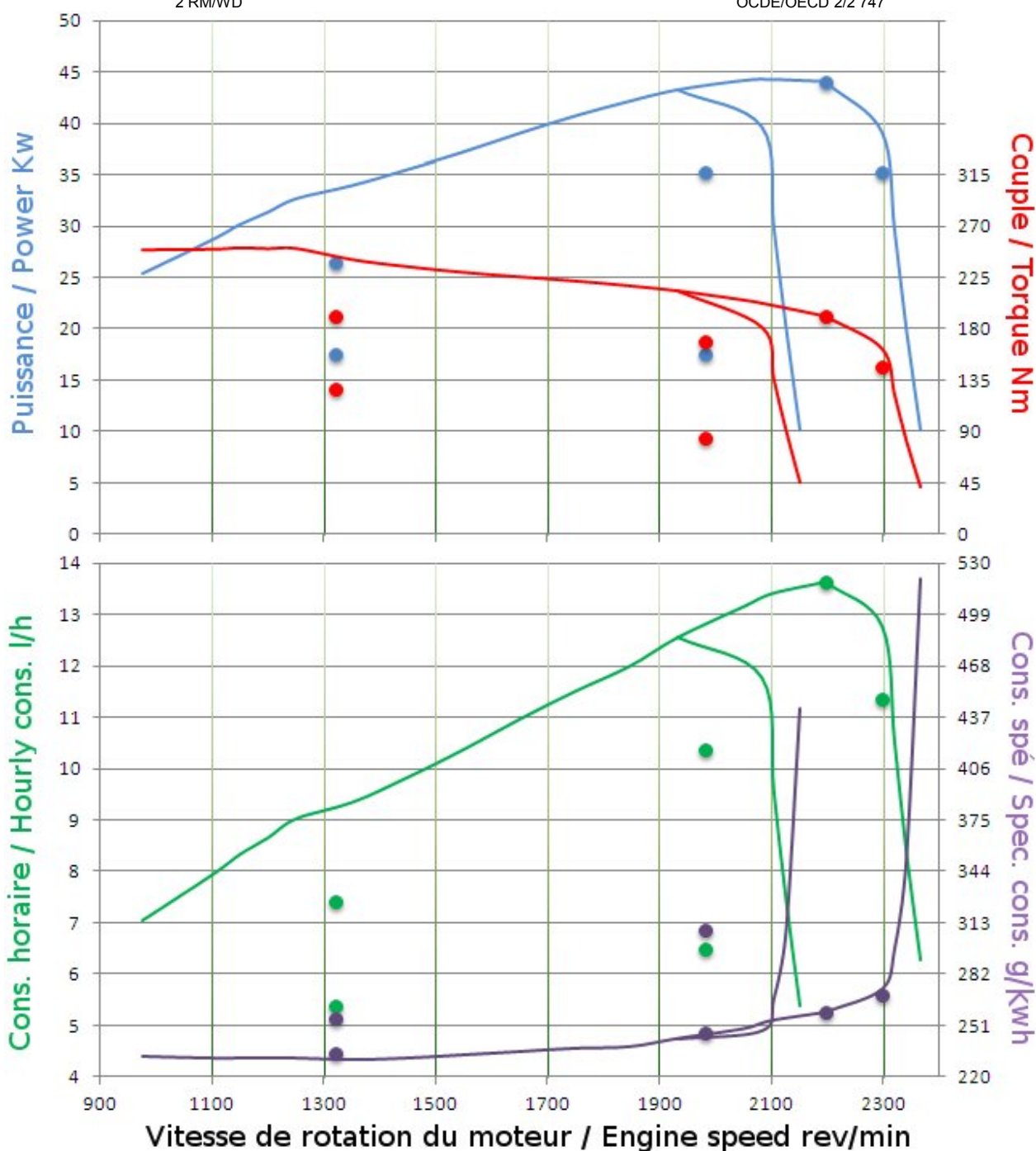
M/s International Tractors Limited

BUDNI - INDIA

International Tractors Limited Sonalika International Worldtrac 75 RX 2WD

2 RMWD

OCDE/OECD 2/2 747



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> | 34,75 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> | 44,2 kW | 2101 min ⁻¹ | 587 min ⁻¹ |
| <i>Hourly and specific consumption</i> | | 13,41 l/h | 254 g/kWh |
| <u>Test at maximum power at rated engine speed</u> | | | |
| <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 |
| <u>Test at standard Power take-off speed</u> | | | |
| <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 |
| <i>Torque rise</i> | | | 31,2 % |
| <u>Maximum torque, Engine speed corresponding</u> | | 250,73 Nm | 1149 min ⁻¹ |

Drawbar Test

| | | |
|--------------------------------|--------------------|------------------|
| <i>Front tyres, Rear tyres</i> | 7.50 - 16 | 16.9 - 30 |
| <u>Test with tractor</u> | <u>unballasted</u> | <u>ballasted</u> |
| <i>Total Mass</i> | 2845 kg | |
| <i>Maximum drawbar pull</i> | 22,63 kN | |
| <i>at speed of</i> | 3,31 km/h | Not |
| <i>Maximum power</i> | 36,6 kW | Applicable |
| <i>at speed of</i> | 9,70 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> | 45,77 l/min | 17,00 MPa | 13,0 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> | | 19,53 kN | 13,63 kN |