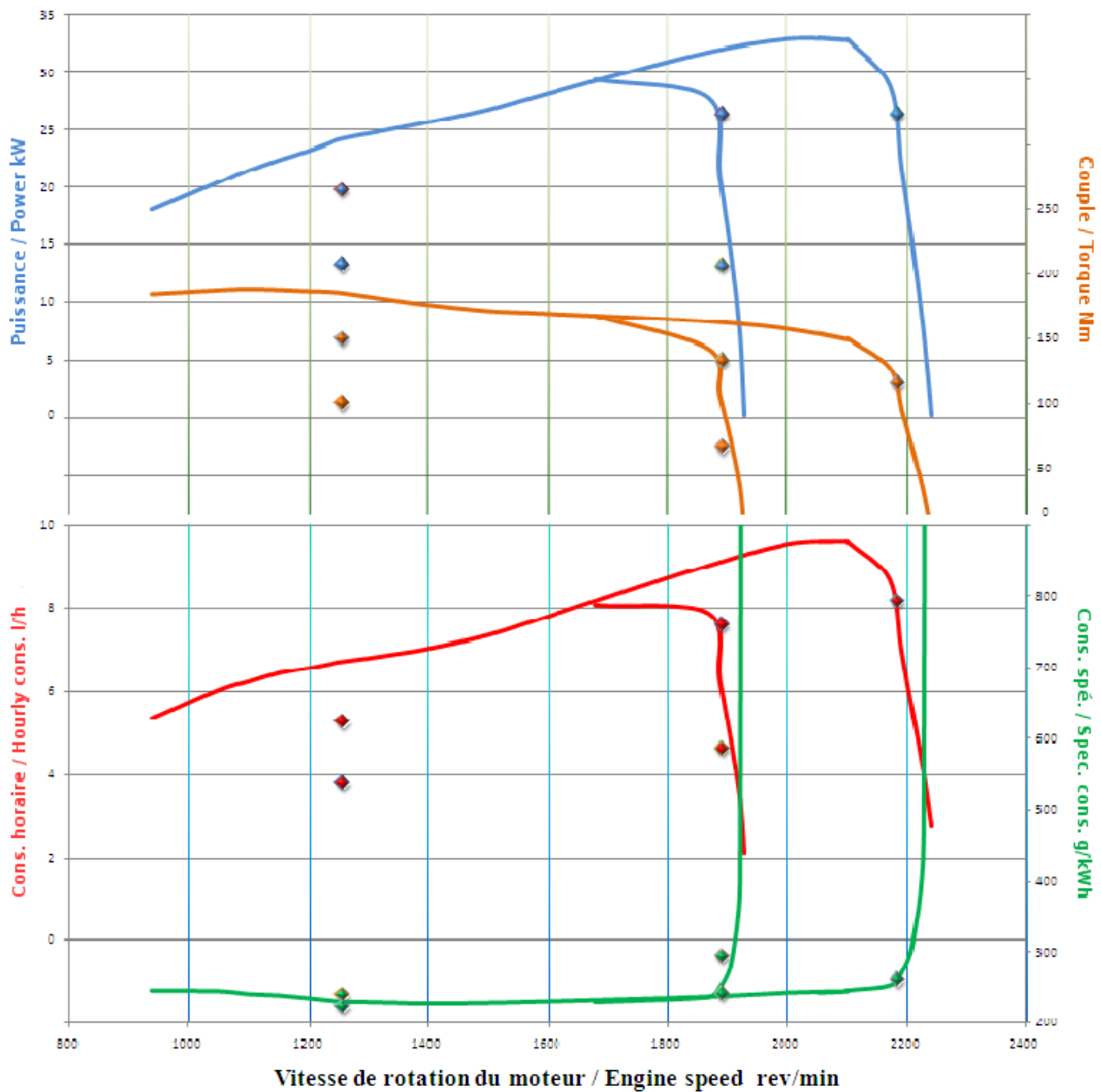




OECD approval number 2/2 547  
 OECD approval date 08/03/2010  
 Make International Tractors Ltd.  
 Model Sonalika International DI – 750 II  
 Type 2 WD  
 ZG - mechanical transmission - 30 km/h  
 Manufacturer: M/s International Tractors Limited  
 Testing station: Central Farm Machinery Training and Testing Institute, Budni, India

International Tractors Ltd. Sonalika International DI – 750 II  
2 RMWD

OCDE/OECD 2/2 547



**Engine, Transmission, Power take-off Specifications**

<i>Make, Model</i>	International Tractors Ltd.	3102FL
<i>Type, Supercharging</i>	Direct injection	No
<i>Cylinders, Disposition</i>	3	vertical in line
<i>Capacity, Cooling</i>	2893 cm <sup>3</sup>	water cooled
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>	8	2
<i>Speed at rated engine speed</i>		from 2,62 to 29,95 km/h
<u>Standard Power take-off speed</u>		<u>540 min<sup>-1</sup></u> <u>1000 min<sup>-1</sup></u>
<i>Power take-off speed at rated engine speed</i>		675 min <sup>-1</sup> <i>Not</i>
<i>Diameter of the shaft</i>		34,83 mm <i>required</i>
<i>Number of splines</i>		6

**Power take-off Test**One hour test at maximum power

<i>Power, Engine and Power take-off speed</i>	33,0 kW	2053 min <sup>-1</sup>	660 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		9,61 l/h	243 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	32,8 kW	2100 min <sup>-1</sup>	675 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		9,62 l/h	245 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	29,4 kW	1680 min <sup>-1</sup>	540 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		8,06 l/h	229 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>		187,1 Nm	1101 min <sup>-1</sup>
---	--	----------	------------------------

**Drawbar Test**

<i>Front tyres, Rear tyres</i>	6.00 – 16	13.6 – 28
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	2205 kg	
<i>Maximum drawbar pull</i>	16,32 kN	<i>Not</i>
<i>at speed of</i>	5,06 km/h	<i>required</i>
<i>Maximum power</i>	27,5 kW	
<i>at speed of</i>	10,05 km/h	

**Hydraulic Performance and Power Lift Test**

<i>Hydraulic system</i>		Closed
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power (couplers: 1 pair)</i>	17,91 l/min	16,5 MPa
<i>Flow rate, Pressure, Power (couplers: 2 pairs or +)</i>		4,9 kW
<u>Maximum lifting force</u>		<i>Not applicable</i>
<i>at the hitch points, at frame</i>	12,66 kN	9,56 kN