



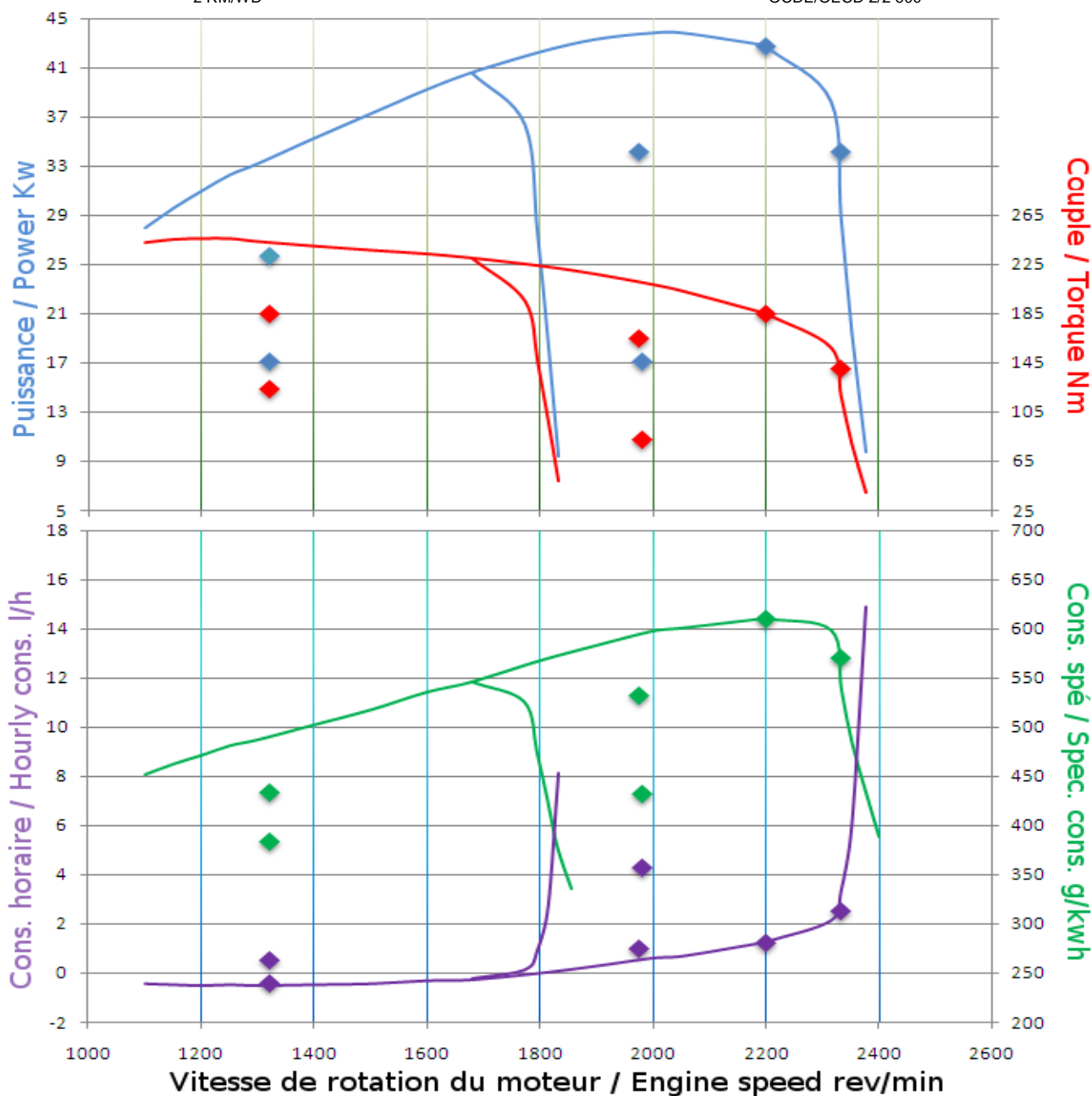
OECD approval number  
OECD approval date  
Make  
Model  
Type

2/2 600  
18/04/2011  
International Tractors Ltd.  
Sonalika International DI – 75 (2WD)  
2 WD  
mechanical transmission - 40 km/h  
International Tractors Ltd.  
Central Farm Machinery Training and Testing  
Institute, Budni, India

Manufacturer:  
Testing station:

International Tractors Ltd. Sonalika International DI – 75 (2WD)  
2 RM/WD

OCDE/OECD 2/2 600



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

<i>Make, Model</i>	International Tractors Ltd.	4100FLT
<i>Type, Supercharging</i>	Direct injection	Yes
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	3707 cm <sup>3</sup>	Liquid mechanical
<i>Gear box</i>		
<i>Number of forward and reverse speeds</i>	8	2
<i>Speed at rated engine speed</i>	from 3,03	to 35,75 km/h
<u>Standard Power take-off speed</u>	540 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Power take-off speed at rated engine speed</i>	707 min <sup>-1</sup>	Not required
<i>Diameter of the shaft</i>	34,8 mm	
<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>	43,8 kW	2053 min <sup>-1</sup>	660 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		14,04 l/h	268 g/kWh
<u>Test at maximum power at rated engine speed</u>			
<i>Power, Engine and Power take-off speed</i>	42,8 kW	2199 min <sup>-1</sup>	707 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		14,43 l/h	282 g/kWh
<u>Test at standard Power take-off speed</u>			
<i>Power, Engine and Power take-off speed</i>	40,6 kW	1680 min <sup>-1</sup>	540 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		11,84 l/h	244 g/kWh
<u>Torque rise</u>			32,8 %
<u>Maximum torque, Engine speed corresponding</u>		246,43 Nm	1201 min <sup>-1</sup>

**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>	2610 kg	
<i>Maximum drawbar pull</i>	16,33 kN	Not required
<i>at speed of</i>	2,81 km/h	
<i>Maximum power</i>	33,8 kW	
<i>at speed of</i>	11,51 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>	23,18 l/min	16,0 MPa	6,2 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>		13,07 kN	9,94 kN