



**OECD approval number**

**1/1 981**

**OECD approval date**

**Full Code  
10/04/2002**

**Make**

**Sonalika**

**Model**

**Solis 60**

**Type**

**2 WD**

*Manufacturer*

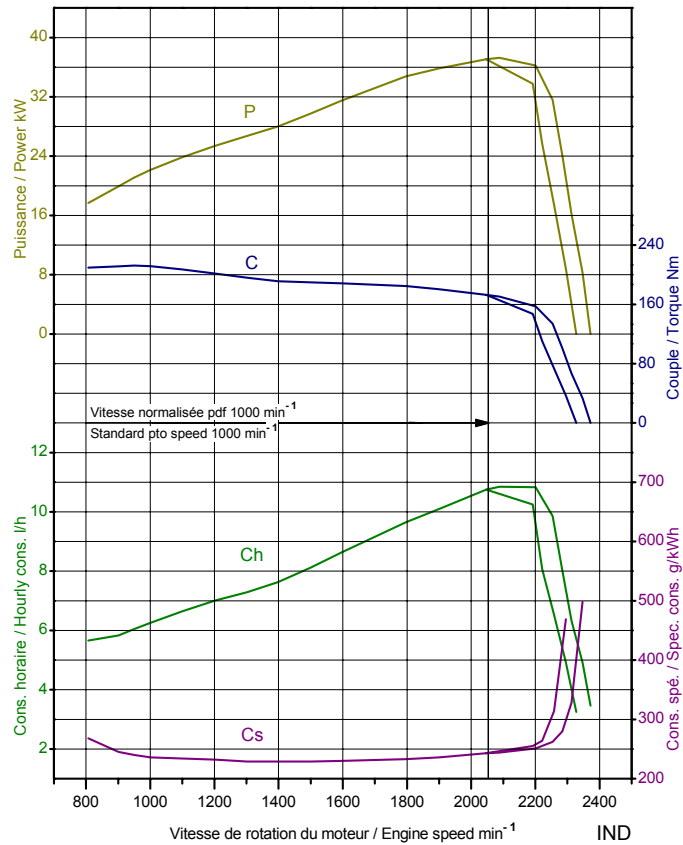
M/s International Tractors Ltd.

*Testing station:*

Central Farm Machinery  
Training and Testing Institute, Budni, India

**Sonalika Solis 60  
2 RM/WD**

OCDE/OECD 1/1981



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

<i>Make, Model</i>	Sonalika	4100 F
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	4	vertical in line
<i>Capacity, Cooling</i>	3456 cm <sup>3</sup>	By water
<i>Gear box</i>		Mechanical
<i>Number of forward and reverse speeds</i>		8 2
<i>Speed at rated engine speed</i>		from 2.76 to 34.99 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>		1075 min <sup>-1</sup>
<i>Diameter of the shaft</i>		34.65 mm
<i>Number of splines</i>		21

**Power take-off Test**Two hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	37.3 kW	2088 min <sup>-1</sup>	1020 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		10.85 l/h	244 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	36.3 kW	2200 min <sup>-1</sup>	1075 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		10.83 l/h	251 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	37.1 kW	2047 min <sup>-1</sup>	1000 min <sup>-1</sup>
<i>Hourly and specific consumption</i>		10.75 l/h	243 g/kWh

Torque rise

<i>Maximum torque. Engine speed corresponding</i>		212.5 Nm	950 min <sup>-1</sup>
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**Drawbar Test**

<i>Front tyres, Rear tyres</i>	6.50 - 20	16.9 - 28
<u>Test with tractor</u>	<u>unballasted</u>	<u>ballasted</u>
<i>Total Mass</i>	2305 kg	3365 kg
<i>Maximum drawbar pull</i>	16.2 kN	24.9 kN
<i>at speed of</i>	5.44 km/h	3.21 km/h
<i>Maximum power</i>	29.3 kW	29.8 kW
<i>at speed of</i>	9.91 km/h	9.95 km/h

**Power Lift and Hydraulic Performance Test**

<i>Hydraulic system</i>		Opened centre
<i>Maximum lifting force at hitch points, at frame</i>	10.5 kN	9.4 kN
<u>At maximum hydraulic power</u>		
<i>Flow rate, Pressure, Power</i>	14.3 l/min	16.0 MPa 3.8 kW