



OECD approval number

1/1 992

OECD approval date

Full Code

12/07/2002

Make

Sonalika

Model

Solis 40

Type

2 WD

Manufacturer

M/s International Tractors Ltd.

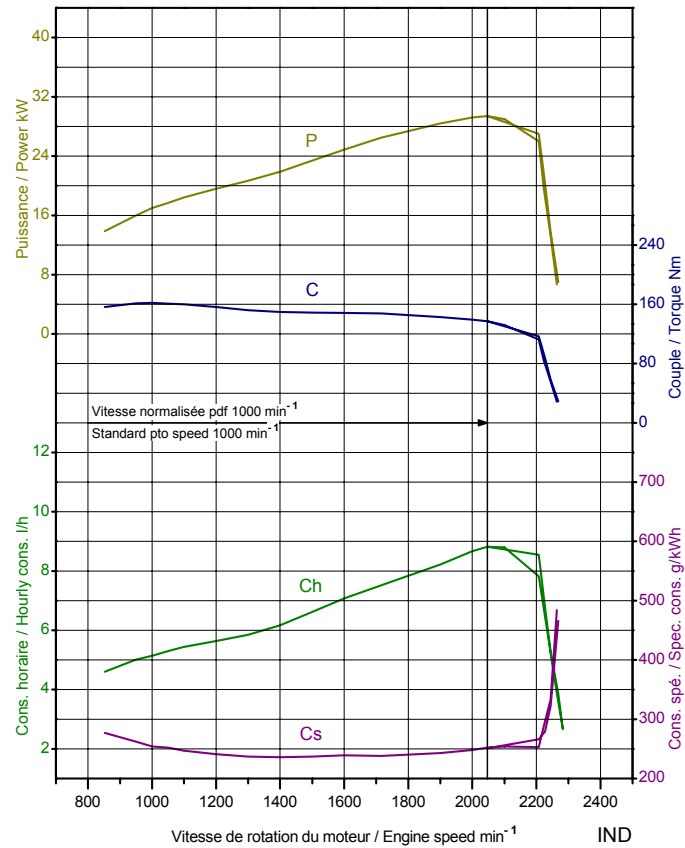
Testing station:

Central Farm Machinery

Training and Testing Institute, Budni, India

Sonalika Solis 40
2 RM/WD

OCDE/OECD 1/1992



Engine, Transmission, Power take-off Specifications

<i>Make, Model</i>	Sonalika	3100F
<i>Type, Supercharging</i>	Direct injection	None
<i>Cylinders, Disposition</i>	3	vertical in line
<i>Capacity, Cooling</i>	2592 cm ³	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 2.32	to 29.42 km/h
<u>Standard Power take-off speed</u>	<u>540 min⁻¹</u>	<u>1000 min⁻¹</u>
<i>Power take-off speed at rated engine speed</i>		1026 min ⁻¹
<i>Diameter of the shaft</i>		34.6 mm
<i>Number of splines</i>		21

Power take-off TestTwo hours test at maximum power

<i>Power, Engine and Power take-off speed</i>	29.4 kW	2047 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		8.82 l/h	252 g/kWh

Test at maximum power at rated engine speed

<i>Power, Engine and Power take-off speed</i>	29.0 kW	2100 min ⁻¹	1026 min ⁻¹
<i>Hourly and specific consumption</i>		8.80 l/h	254 g/kWh

Test at standard Power take-off speed

<i>Power, Engine and Power take-off speed</i>	29.4 kW	2047 min ⁻¹	1000 min ⁻¹
<i>Hourly and specific consumption</i>		8.82 l/h	252 g/kWh

Torque rise

<i>Maximum torque, Engine speed corresponding</i>	162.2 Nm	1001 min ⁻¹
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Drawbar Test*Front tyres, Rear tyres*

<u>Test with tractor</u>	6.00 - 16	12.4 - 28
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Total Mass

	<u>unballasted</u>	<u>ballasted</u>
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Maximum drawbar pull

	2010 kg	2690 kg
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at speed of

	14.7 kN	20.6 kN
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Maximum power

	2.87 km/h	4.04 km/h
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at speed of

	24.2 kW	24.7 kW
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	11.18 km/h	6.86 km/h
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